NEMO|etc.
Certificate of Authorization #32455
353 Christian Street, Unit #13
Oxford, CT 06478
(203) 262-9245

ENGINEER **TEST** **CONSULT**

P.E. EVALUATION REPORT (PEER)

GAF
1 Campus Drive
Parsippany, NJ 07054
(800) 766-3411

PEER-GAF-009.A.R75
FL5293-R74 (NON-HVHZ)
Date of Issuance: 11/09/2005
Revision 75: 08/17/2026

SCOPE:
This P.E. Evaluation Report (henceforth 'PEER') is issued under **F.A.C. Rule 61G20-3** and the applicable rules and regulations governing the use of construction materials in the State of Florida, and the Third-Party Evaluation Report acceptance by the Texas Department of Insurance. The documentation submitted has been reviewed by Robert Nieminen, P.E. for compliance with the **9th Edition (2026) Florida Building Code and 2024 International Building Code** sections noted herein.

DESCRIPTION: EverGuard® TPO Roof Systems (NON-HVHZ)

LABELING: Labeling shall be in accordance with the requirements of the Accredited Quality Assurance Agency noted herein.

CONTINUED COMPLIANCE: This PEER is valid until such time as the named product(s) changes, the referenced Quality Assurance or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our PEERs by the named client constitutes agreement to notify NEMO ETC, LLC of any changes to the product(s), the Quality Assurance or the production facility location(s). NEMO ETC, LLC requires a complete review of its PEER relative to updated Code requirements with each Code Cycle. Reference is made to the NEMO|etc. Directory of P.E. Evaluations to ascertain the status and/or current version of this PEER. If the PEER is not listed at the Nemo Directory, then it is no longer valid.

ADVERTISEMENT: "NEMO P.E. Evaluated" may be displayed in advertising literature. If any portion of the PEER is displayed, then it shall be in its entirety.

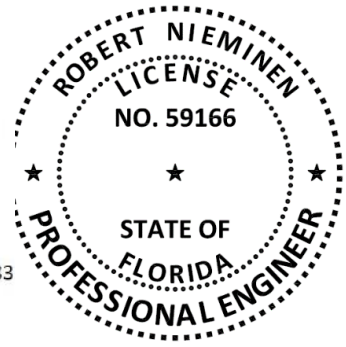
INSPECTION: Upon request, a copy of this entire PEER shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This PEER consists of pages 1 through 8, plus 234-pages of Appendix.

Prepared by:

Digitally signed by Robert Nieminen
Date: 2026.08.17 '12:36:01 -04'00

This item has been digitally signed and sealed by Robert Nieminen, P.E.
Printed copies of this document are not considered signed and sealed, and the signature must be verified on any electronic copies.
Robert Nieminen, Florida P.E. 59166, FBC ANE1983
NEMO ETC, LLC, Florida CA #32455



CERTIFICATION OF INDEPENDENCE:
1. NEMO ETC, LLC does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products it evaluates.
2. NEMO ETC, LLC is not owned, operated or controlled by any company manufacturing or distributing products it evaluates.
3. Robert Nieminen, P.E. does not have nor will acquire, a financial interest in any company manufacturing or distributing products for which the PEERs are being issued.
4. Robert Nieminen, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.
5. Robert Nieminen, P.E. is also Registered in the States of Connecticut (PE-24802), Texas (PE-96420) and Washington (PE-39055). Use of this PEER in support of permitting is at the discretion of the Authority Having Jurisdiction.
6. This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this PEER, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

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2026 FBC NON-HVHZ 2024 IBC

ROOFING SYSTEMS EVALUATION:

1. SCOPE:

Product Category: Roofing
Sub-Category: Single Ply Roof Systems
Product Approval Method: Method 1, Option D: Codified Material, Evaluation by Engineer
Compliance Statement: EverGuard® TPO Roof Systems, as produced by **GAF**, have demonstrated compliance with the following sections of the **Codes listed below** through testing in accordance with the following Standards. Compliance is subject to the Installation Requirements and Limitations of Use set forth herein.

2. STANDARDS:

CODE	SECTION	PROPERTY	STANDARD
2026 Florida Building Code	1504.3.1	Wind resistance	FM 4474
	1504.7	Impact resistance	FM 4470, Section 4.6
	1507.10.2	Material standard	ASTM D2178, ASTM D4601, ASTM D4897
	1507.11.2	Material standard	ASTM D6163, ASTM D6164, ASTM D6222
	1507.12.2	Material standard	ASTM D6878
2024 International Building Code	1504.4.1	Wind resistance	FM 4474
	1504.7	Impact resistance	FM 4470, Section 4.6
	1507.10.2	Material standard	ASTM D2178, ASTM D4897
	1507.10.2, 1507.11.2.1	Material standard	ASTM D4601
	1507.11.2	Material standard	ASTM D6163, ASTM D6164, ASTM D6222
	1507.13.2	Material standard	ASTM D6878

3. REFERENCES:

ENTITY	EXAM	REFERENCE	DATE
NEMO (TST6049)	Physicals (IN)	4j-GAF-SSUDL-004.A	11/19/24
NEMO (TST6049)	ASTM D6878	4r-GAF-SSTHP-006.A	01/09/26
NEMO	PEER	PEER-GAF-007.A&B	04/09/2026
PRI (TST5878)	ASTM D6878 (UT)	GAF-700-02-01	03/10/17
PRI (TST5878)	ASTM D6878 (PA)	GAF-870-02-01	02/15/19
PRI (TST5878)	ASTM D6878 (PA)	GAF-904-02-01	10/09/19
PRI (TST5878)	ASTM D6878 (UT)	GAF-889-02-01	11/01/19
PRI (TST5878)	ASTM D6878 (PA)	376T0114	09/09/21
PRI (TST5878)	ASTM D6878 (IN)	376T0128	09/30/21
PRI (TST5878)	ASTM D6878	EXTENSION LTR	09/27/22
PRI (TST5878)	ASTM D6878 (IN)	376T0390	11/13/23
PRI (TST5878)	ASTM D6878 (IN)	376T0391	11/13/23
PRI (TST5878)	ASTM D6878 (IN)	376T0456	06/06/24
PRI (TST5878)	ASTM D6878 (IN)	376T0457	06/06/24
PRI (TST5878)	ASTM D6878 (GA-V)	376T0549	02/11/25
ACRC (TST4671)	TAS 114	06-035	10/18/06
ACRC (TST4671)	TAS 114	07-005	01/17/07
ACRC (TST4671)	TAS 114	07-024	03/01/07
ACRC (TST4671)	TAS 114	07-016	04/19/07
ACRC (TST4671)	TAS 114	07-017	04/19/07
ACRC (TST4671)	TAS 114	07-025	05/02/07
ACRC (TST4671)	TAS 114	07-026	05/03/07
ACRC (TST4671)	TAS 114	07-027	05/04/07
ACRC (TST4671)	TAS 114	07-042	08/31/07
ACRC (TST4671)	TAS 114	07-043	09/05/07
ACRC (TST4671)	TAS 114	07-045	09/06/07
ACRC (TST4671)	TAS 114	07-046	09/06/07
ACRC (TST4671)	TAS 114	07-048	09/07/07
ACRC (TST4671)	TAS 114	07-049	09/10/07
ACRC (TST4671)	TAS 114	07-080	01/03/08
ACRC (TST4671)	TAS 114	08-030	04/05/08
ACRC (TST4671)	TAS 114	08-022	04/17/08
ACRC (TST4671)	TAS 114	08-023	04/17/08
ACRC (TST4671)	TAS 114	08-033	04/19/08
ACRC (TST4671)	TAS 114	08-032	04/19/08
ACRC (TST4671)	TAS 114	11-004	03/21/11
ACRC (TST4671)	TAS 114	11-011	03/24/11
ACRC (TST4671)	TAS 114	11-012	04/06/11
ACRC (TST4671)	TAS 114	11-013	04/06/11
ACRC (TST4671)	TAS 114	11-019	04/08/11
ACRC (TST4671)	TAS 114	11-020	04/08/11
ACRC (TST4671)	TAS 114	11-021	04/11/11
ACRC (TST4671)	TAS 114	11-040	08/05/11
ACRC (TST4671)	TAS 114	11-041	08/05/11
ACRC (TST4671)	TAS 114	11-056	09/30/11
ACRC (TST4671)	TAS 114	11-042-R1	01/27/12
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ACRC (TST4671)	TAS 114	12-012	04/23/12
ACRC (TST4671)	TAS 114	12-013	04/23/12
ACRC (TST4671)	TAS 114	12-014	04/23/12
FM (TST1867)	FM 4474	RR221253-267	02/07/20
FM (TST1867)	Criticality	PR452971	02/19/20
FM (TST1867)	FM 4474	RR222755-267	03/10/20
FM (TST1867)	FM 4474	PR455417	09/30/20
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FM (TST1867)	FM 4474	RR227079	03/10/21
FM (TST1867)	Traceability	PR459034	03/24/21
FM (TST1867)	FM 4474	RR226788	03/25/21
FM (TST1867)	FM 4474	PR458073	04/08/21
FM (TST1867)	FM 4474	RR227768	04/09/21
FM (TST1867)	FM 4474	PR457312	04/20/21
FM (TST1867)	FM 4470	PR459831	04/21/21
FM (TST1867)	FM 4474	RR227915	05/06/21
FM (TST1867)	FM 4474	PR456101	06/24/21
FM (TST1867)	FM 4474	PR461047	10/25/21
FM (TST1867)	FM 4474	PR456300	11/18/21
FM (TST1867)	FM 4474	PR458360	11/22/21
FM (TST1867)	FM 4474	RR232145-267	03/21/22
FM (TST1867)	FM 4474	PR450629	04/13/22
FM (TST1867)	FM 4474	RR232513-267	04/22/22
FM (TST1867)	FM 4474	PR459436	07/20/22
FM (TST1867)	FM 4474	PR460889	08/01/22
FM (TST1867)	FM 4474	PR460126	09/20/22
FM (TST1867)	FM 4474	PR461460	11/15/22
FM (TST1867)	FM 4474	RR235368-267	12/19/22
FM (TST1867)	FM 4474	PR464081	02/20/23
FM (TST1867)	FM 4474	RR236465-267	03/15/23
FM (TST1867)	FM 4470/4474	PR458321	03/29/23
FM (TST1867)	FM 4474	RR237233-267	05/30/23
FM (TST1867)	FM 4474	RR238073	08/07/23
FM (TST1867)	FM 4474	RR237727	08/17/23
FM (TST1867)	FM 4474	RR237767	08/30/23
FM (TST1867)	FM 4474	RR237937	09/13/23
FM (TST1867)	FM 4474	RR238291	09/21/23
FM (TST1867)	FM 4474	RR238672	10/12/23
FM (TST1867)	FM 4474	PR466037	10/20/23
FM (TST1867)	FM 4474	PR465619	12/05/23
FM (TST1867)	FM 4470/4474	PR465710	12/18/23
FM (TST1867)	FM 4474	PR466798	12/20/23
FM (TST1867)	FM 4474	PR466096	01/22/24
FM (TST1867)	FM 4474	PR467712	03/01/24
FM (TST1867)	FM 4474	PR467721	03/01/24
FM (TST1867)	FM 4474	PR466980	04/10/24
FM (TST1867)	FM 4474	RR241598	05/30/24
FM (TST1867)	FM 4474	RR241361	05/07/24
FM (TST1867)	FM 4474	RR240890	05/09/24
FM (TST1867)	FM 4474	RR241387	05/10/24
FM (TST1867)	FM 4474	RR241586	05/29/24
FM (TST1867)	FM 4474	RR242295	07/10/24
FM (TST1867)	FM 4474	RR242812	09/06/24

2026 FBC NON-HVHZ & 2024 IBC

ENTITY	EXAM	REFERENCE	DATE
ACRC (TST4671)	TAS 114	12-016	04/24/12
ACRC (TST4671)	TAS 114	12-019	04/25/12
ACRC (TST4671)	TAS 114	12-024	05/09/12
ACRC (TST4671)	TAS 114	12-025	05/09/12
ACRC (TST4671)	TAS 114	12-029	05/23/12
ACRC (TST4671)	TAS 114	12-030	05/23/12
ACRC (TST4671)	TAS 114	12-033	08/10/12
ACRC (TST4671)	TAS 114	12-036	08/13/12
ACRC (TST4671)	TAS 114	12-018-R1	01/30/13
ACRC (TST4671)	TAS 114	08-022-R1	01/15/15
ACRC (TST4671)	TAS 114	11-056-R2	01/23/15
ACRC (TST4671)	TAS 114	16-002	03/04/16
ACRC (TST4671)	TAS 114(D)	20-016	11/11/20
ACRC (TST4671)	TAS 114(D)	20-017	11/11/20
ACRC (TST4671)	TAS 114(D)	20-019	11/13/20
ACRC (TST4671)	TAS 114(D)	20-021	11/13/20
ACRC (TST4671)	TAS 114(D)	20-022	11/16/20
ACRC (TST4671)	TAS 114(D)	20-023	11/16/20
ACRC (TST4671)	TAS 114(J)	21-006	03/16/21
ACRC (TST4671)	TAS 114(D)	23-012	06/16/23
ACRC (TST4671)	TAS 114(D)	23-013	06/16/23
ACRC (TST4671)	TAS 114(D)	23-014	06/16/23
ACRC (TST4671)	TAS 114	25-017	06/12/25
ACRC (TST4671)	TAS 114	25-019	06/12/25
ACRC (TST4671)	TAS 114	25-020	06/13/25
ATI/ITS (TST1558)	Criticality	G9819.02-106-31	05/10/17
ATI/ITS (TST1558)	TAS 114	G9819.03-109-44	08/01/17
ATI/ITS (TST1558)	TAS 114	H-3320.01-109-44	08/10/17
ATI/ITS (TST1558)	TAS 114	H-3314.01-109-44	08/14/17
ATI/ITS (TST1558)	TAS 114	H-3315.01-109-44	08/14/17
ATI/ITS (TST1558)	TAS 114	H-3317.01-109-44	08/14/17
ATI/ITS (TST1558)	TAS 114	H-3318.01-109-44	08/14/17
ATI/ITS (TST1558)	TAS 114	G9819.01-109-44.R1	08/15/17
ATI/ITS (TST1558)	TAS 114	H-0730.01-109-44	08/16/17
ERD (TST6049)	TAS 114	SC8580.11.15-4	11/09/15
ERD (TST6049)	TAS 114	SC8580.11.15-2	11/18/15
ERD (TST6049)	Criticality	SC16505.17	09/22/17
ERD (TST6049)	TAS 114	SC16825.12.17-1	12/31/17
ERD (TST6049)	TAS 114	SC16825.12.17-3B	12/31/17
FM (TST1867)	FM 4470	3003617	12/20/99
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FM (TST1867)	FM 4470	3014692	08/05/03
FM (TST1867)	FM 4470	3014955	01/22/04
FM (TST1867)	FM 4470	3012721	02/11/04
FM (TST1867)	FM 4470	3015029	02/19/04
FM (TST1867)	FM 4470	3015578	03/12/04
FM (TST1867)	FM 4470	3019881	03/20/04
FM (TST1867)	FM 4470	3020588	03/24/04
FM (TST1867)	FM 4470	3016068	04/02/04
FM (TST1867)	FM 4470	3105578	05/12/04
FM (TST1867)	FM 4470	3013861	05/21/04
FM (TST1867)	FM 4470	3014955	01/28/05
FM (TST1867)	FM 4470	3022136	03/17/05
FM (TST1867)	FM 4470	3020681	09/01/05
FM (TST1867)	FM 4470	3024051	03/28/06
FM (TST1867)	FM 4470	797-02093-267	04/26/06
FM (TST1867)	FM 4470	3023458	07/18/06
FM (TST1867)	FM 4470	3028039	09/11/06
FM (TST1867)	FM 4470	3027159	10/03/06
FM (TST1867)	FM 4470	3026149	02/05/07
FM (TST1867)	FM 4470	3026964	07/25/07
FM (TST1867)	FM 4470	3028857	11/02/07
FM (TST1867)	FM 4470	3030199	11/05/07
FM (TST1867)	FM 4470	3030813	11/05/07
FM (TST1867)	FM 4470	3031262	11/30/07
FM (TST1867)	FM 4470	3030292	02/25/08
FM (TST1867)	FM 4470	797-03825-267	07/21/08
FM (TST1867)	FM 4470	3033314	08/26/08
FM (TST1867)	FM 4470	3034749	10/16/08
FM (TST1867)	FM 4470	3032856	11/24/08
FM (TST1867)	FM 4470	3033135	11/24/08
FM (TST1867)	FM 4470	3032811	12/11/08
FM (TST1867)	FM 4470	3033862	12/24/08
FM (TST1867)	FM 4470	3034394	02/27/09
FM (TST1867)	FM 4470	3033121	04/13/09
FM (TST1867)	FM 4470	3035300	05/06/09
FM (TST1867)	FM 4470	3036614	06/09/09
FM (TST1867)	FM 4470	3034310	06/15/09
FM (TST1867)	FM 4470	3036141	08/10/09
FM (TST1867)	FM 4470	3037820	04/30/10
FM (TST1867)	FM 4470	797-059797-267	08/18/10
FM (TST1867)	FM 4470	3038215	09/02/10
FM (TST1867)	FM 4470	797-05901-267	10/01/10
FM (TST1867)	FM 4470	797-06003-267	11/11/10
FM (TST1867)	FM 4470	3038318	12/10/10
FM (TST1867)	FM 4470	797-06178-267	02/07/11
FM (TST1867)	FM 4470	3040234	02/23/11
FM (TST1867)	FM 4470	3040377	03/08/11
FM (TST1867)	FM 4470	3041685	03/24/11
FM (TST1867)	FM 4470	797-06254-267	03/24/11

ENTITY	EXAM	REFERENCE	DATE
FM (TST1867)	FM 4474	RR243128	09/24/24
FM (TST1867)	FM 4474	PR468153	11/04/24
FM (TST1867)	FM 4474	PR470505	01/24/25
FM (TST1867)	FM 4474	PR469851	01/30/25
FM (TST1867)	FM 4474	PR471562	02/12/25
FM (TST1867)	FM 4474	RR244840	03/18/25
FM (TST1867)	FM 4474	PR463218	03/17/25
FM (TST1867)	FM 4474	PR466462	04/03/25
FM (TST1867)	FM 4474	RR244920	04/03/25
FM (TST1867)	FM 4474	PR471563	04/10/25
FM (TST1867)	FM 4474	PR464801-Reissue 1	04/11/25
FM (TST1867)	FM 4474	RR245727	04/14/25
FM (TST1867)	FM 4474	RR245882	04/23/25
FM (TST1867)	FM 4474	RR245205	05/05/25
FM (TST1867)	FM 4474	PR469015	05/13/25
FM (TST1867)	FM 4474	PR469209	06/03/25
FM (TST1867)	FM 4474	PR469761 (Data)	10/23/25
FM (TST1867)	FM 4474	PR471565	10/28/25
FM (TST1867)	FM 4474	RR248533	11/25/25
FM (TST1867)	FM 4474	PR469761	12/09/25
FM (TST1867)	FM 4474	RR249041	12/12/25
FM (TST1867)	FM 4474	PR468487 – Reissue 1	01/14/26
FM (TST1867)	FM 4474	RR249196	01/16/26
FM (TST1867)	FM 4474	PR471561	02/13/26
FM (TST1867)	FM 4474	RR249676	02/24/26
F-TEC (TST7393)	TAS 114	08-050183	06/26/08
F-TEC (TST7393)	TAS 114	08-050184	06/26/08
F-TEC (TST7393)	TAS 114	08-070133	08/04/08
F-TEC (TST7393)	TAS 114	08-050185	10/14/08
F-TEC (TST7393)	TAS 114	08-072805	02/16/09
IRT (TST7408)	TAS 114	02-008	01/18/02
IRT (TST7408)	TAS 114	03-0728	02/17/04
IRT (TST7408)	TAS 114	04-012	02/18/04
IRT (TST7408)	TAS 114	04-019	04/26/04
ITS (TST1558)	FM 4474	R4151.01-109-44-R0	08/01/24
ITS (TST1558)	FM 4474	R4158.01-109-44-R0	08/01/24
NEMO (TST6049)	FM 4474	SC16825.12.17-3A	01/01/18
NEMO (TST6049)	Physicals	4q-GAF-19-SSMBB-03.A	05/13/19
NEMO (TST6049)	TAS 114	4L-CEL-18-001.12.18.2	07/10/19
PRI (TST5878)	TAS 114	GAF-043-02-03	09/16/13
PRI (TST5878)	TAS 114	GAF-043-02-04	09/16/13
PRI (TST5878)	Criticality	GAF-462-02-02	11/18/13
PRI (TST5878)	TAS 114	GAF-457-02-02	01/20/14
PRI (TST5878)	TAS 114	GAF-457-02-04	01/24/14
PRI (TST5878)	TAS 114	GAF-457-02-06	01/24/14
PRI (TST5878)	TAS 114	GAF-457-02-07	01/24/14
PRI (TST5878)	TAS 114	GAF-457-02-08	01/24/14
PRI (TST5878)	TAS 114	GAF-435-02-07	01/29/14
PRI (TST5878)	TAS 114	GAF-435-02-08	01/29/14
PRI (TST5878)	TAS 114	GAF-435-02-09	01/29/14
PRI (TST5878)	TAS 114	GAF-435-02-10	01/29/14
PRI (TST5878)	TAS 114	GAF-435-02-11	01/29/14
PRI (TST5878)	Rupture	GAF-435-02-01	01/29/14
PRI (TST5878)	TAS 114	GAF-506-02-06	03/06/14
PRI (TST5878)	TAS 114	GAF-506-02-08	03/06/14
PRI (TST5878)	TAS 114	GAF-506-02-10	03/06/14
PRI (TST5878)	TAS 114	GAF-510-02-02	04/08/14
PRI (TST5878)	TAS 114	GAF-510-02-04	04/08/14
PRI (TST5878)	TAS 114	GAF-510-02-05	04/08/14
PRI (TST5878)	TAS 114	GAF-511-02-02	04/08/14
PRI (TST5878)	TAS 114	GAF-506-02-11	04/14/14
PRI (TST5878)	TAS 114	GAF-506-02-12	04/14/14
PRI (TST5878)	TAS 114	GAF-506-02-13	04/14/14
PRI (TST5878)	TAS 114	GAF-506-02-14	04/14/14
PRI (TST5878)	TAS 114	GAF-506-02-01	04/22/14
PRI (TST5878)	TAS 114	GAF-514-02-01	05/12/14
PRI (TST5878)	TAS 114	GAF-514-02-03	05/12/14
PRI (TST5878)	TAS 114	GAF-514-02-04	05/12/14
PRI (TST5878)	TAS 114	GAF-514-02-05	05/12/14
PRI (TST5878)	TAS 114	GAF-514-02-07	05/12/14
PRI (TST5878)	TAS 114	GAF-514-02-08	05/12/14
PRI (TST5878)	TAS 114	GAF-516-02-01	05/13/14
PRI (TST5878)	TAS 114	GAF-516-02-03	05/13/14
PRI (TST5878)	TAS 114	GAF-516-02-02	06/06/14
PRI (TST5878)	TAS 114	GAF-525-02-02	06/23/14
PRI (TST5878)	TAS 114	GAF-525-02-03	06/23/14
PRI (TST5878)	TAS 114	GAF-462-02-09	07/01/14
PRI (TST5878)	TAS 114	GAF-462-02-10	07/01/14
PRI (TST5878)	TAS 114	GAF-462-02-11	07/01/14
PRI (TST5878)	TAS 114	GAF-524-02-02	07/01/14
PRI (TST5878)	TAS 114	GAF-524-02-03	07/01/14
PRI (TST5878)	TAS 114	GAF-524-02-05	07/01/14
PRI (TST5878)	TAS 114	GAF-540-02-02	08/06/14
PRI (TST5878)	TAS 114	GAF-540-02-03	08/06/14
PRI (TST5878)	TAS 114	GAF-540-02-04	08/06/14
PRI (TST5878)	TAS 114	GAF-549-02-01	08/08/14
PRI (TST5878)	TAS 114	GAF-538-02-02	08/13/14
PRI (TST5878)	TAS 114	GAF-538-02-03	08/13/14
PRI (TST5878)	TAS 114	GAF-532-02-01	08/22/14
PRI (TST5878)	TAS 114	GAF-524-02-05	08/27/14
PRI (TST5878)	TAS 114	GAF-538-02-04	09/02/14

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ENTITY	EXAM	REFERENCE	DATE
FM (TST1867)	FM 4470	3041535	06/08/11
FM (TST1867)	FM 4470	797-06537-267	06/13/11
FM (TST1867)	FM 4470	797-06538-267	06/13/11
FM (TST1867)	FM 4470	3041746	08/17/11
FM (TST1867)	FM 4470	797-06894-267	11/02/11
FM (TST1867)	FM 4470	3042887	11/14/11
FM (TST1867)	FM 4470	3038278	11/18/11
FM (TST1867)	FM 4470	3042905	01/10/12
FM (TST1867)	FM 4470	797-07041-267	02/27/12
FM (TST1867)	FM 4470	797-07183-267	03/01/12
FM (TST1867)	FM 4470	3044506	03/28/12
FM (TST1867)	FM 4470	797-07331-267	04/13/12
FM (TST1867)	FM 4470	3044862	05/11/12
FM (TST1867)	FM 4470	797-07455-267	05/31/12
FM (TST1867)	FM 4470	797-07474-267	06/11/12
FM (TST1867)	FM 4470	797-07476-267	06/21/12
FM (TST1867)	FM 4470	3045789	07/12/12
FM (TST1867)	FM 4470	3045166	07/24/12
FM (TST1867)	FM 4470	3045863	08/16/12
FM (TST1867)	FM 4470	3041749	08/23/12
FM (TST1867)	FM 4470	3046328	09/13/12
FM (TST1867)	FM 4470	3046388	09/24/12
FM (TST1867)	FM 4470	3041769	09/27/12
FM (TST1867)	FM 4470	797-07744-267	10/17/12
FM (TST1867)	FM 4470	797-07885-267	11/21/12
FM (TST1867)	FM 4470	3046054	12/21/12
FM (TST1867)	FM 4470	797-08216-267	04/11/13
FM (TST1867)	FM 4470	3048122	04/29/13
FM (TST1867)	FM 4470	797-08217-267	05/01/13
FM (TST1867)	FM 4470	797-08264-267	05/23/13
FM (TST1867)	FM 4470	3047237	07/15/13
FM (TST1867)	FM 4470	3047636	08/08/13
FM (TST1867)	FM 4474	797-08873-267	11/26/13
FM (TST1867)	FM 4474	3048066	12/13/13
FM (TST1867)	FM 4474	3041749	12/30/13
FM (TST1867)	FM 4474	797-09116-267	01/24/14
FM (TST1867)	FM 4474	797-09234-267	03/11/14
FM (TST1867)	FM 4474	797-09317-267	04/18/14
FM (TST1867)	FM 4474	797-09493-267	05/27/14
FM (TST1867)	FM 4474	797-09495-267	05/27/14
FM (TST1867)	FM 4474	797-09573-267	06/13/14
FM (TST1867)	FM 4474	797-09497-267	06/23/14
FM (TST1867)	FM 4474	797-09594-267	06/24/14
FM (TST1867)	FM 4474	797-09635-267	07/16/14
FM (TST1867)	FM 4470	3051408	08/13/14
FM (TST1867)	FM 4474	797-09892-267	10/30/14
FM (TST1867)	FM 4474	797-10123-283	12/17/14
FM (TST1867)	FM 4474	797-10153-267	12/19/14
FM (TST1867)	FM 4474	797-10210-267	02/05/15
FM (TST1867)	FM 4474	797-10211-267	02/05/15
FM (TST1867)	FM 4474	797-10212-267	02/05/15
FM (TST1867)	FM 4474	797-RR20018	02/23/15
FM (TST1867)	FM 4474	RR200320	04/07/15
FM (TST1867)	FM 4474	RR200321	04/07/15
FM (TST1867)	FM 4474	3055411	04/15/15
FM (TST1867)	FM 4474	3047636 - LTR	06/24/15
FM (TST1867)	FM 4474	RR202913	11/19/15
FM (TST1867)	FM 4474	3054498	11/30/15
FM (TST1867)	FM 4474	3053501	01/14/16
FM (TST1867)	FM 4474	3056207	02/09/16
FM (TST1867)	FM 4474	3055167	02/10/16
FM (TST1867)	FM 4474	RR204005	04/13/16
FM (TST1867)	FM 4474	RR205159	05/05/16
FM (TST1867)	FM 4474	RR205192	05/09/16
FM (TST1867)	FM 4474	RR205233	06/15/16
FM (TST1867)	FM 4474	RR205846	07/21/16
FM (TST1867)	FM 4474	RR205474	08/31/16
FM (TST1867)	FM 4474	RR206198	09/01/16
FM (TST1867)	FM 4474	RR206353	09/07/16
FM (TST1867)	FM 4474	RR206620	09/12/16
FM (TST1867)	Criticality	3040377 (LTR)	09/21/16
FM (TST1867)	FM 4470	3058882	10/13/16
FM (TST1867)	FM 4474	RR206351	10/21/16
FM (TST1867)	FM 4474	3055491	12/05/16
FM (TST1867)	FM 4474	3058483	12/09/16
FM (TST1867)	FM 4474	3056728 LTR	12/23/16
FM (TST1867)	FM 4470	3056822 LTR	01/04/17
FM (TST1867)	FM 4470	3058967	01/10/17
FM (TST1867)	FM 4474	RR208456	02/13/17
FM (TST1867)	FM 4474	3061218	05/10/17
FM (TST1867)	FM 4474	3061218 LTR	05/16/17
FM (TST1867)	FM 4474	RR209927	06/23/17
FM (TST1867)	FM 4474	RR210305	07/13/17
FM (TST1867)	FM 4474	OMG LTR	12/14/17
FM (TST1867)	FM 4474	RR213506	03/28/18
FM (TST1867)	FM 4474	RR212730	04/05/18
FM (TST1867)	FM 4474	PR449797	04/24/18
FM (TST1867)	FM 4474	RR213333	04/25/18
FM (TST1867)	FM 4472, 4470	3060870	05/29/18
FM (TST1867)	FM 4474	3056933	07/19/18
FM (TST1867)	FM 4474	PR449764	07/25/18

ENTITY	EXAM	REFERENCE	DATE
PRI (TST5878)	TAS 114	GAF-559-02-11	10/16/14
PRI (TST5878)	TAS 114	GAF-559-02-12	10/16/14
PRI (TST5878)	TAS 114	GAF-559-02-13	10/16/14
PRI (TST5878)	TAS 114	GAF-559-02-14	10/16/14
PRI (TST5878)	TAS 114	GAF-559-02-15	10/16/14
PRI (TST5878)	TAS 114	GAF-559-02-16	10/16/14
PRI (TST5878)	TAS 114	GAF-559-02-18	10/16/14
PRI (TST5878)	TAS 114	GAF-538-02-05	12/03/14
PRI (TST5878)	TAS 114	GAF-453-02-05	05/06/16
PRI (TST5878)	Criticality	GAF-653-02-01	10/20/16
PRI (TST5878)	TAS 114	GAF-653-02-04	10/20/16
PRI (TST5878)	TAS 114	GAF-746-02-01	12/14/16
PRI (TST5878)	TAS 114	GAF-746-02-02	12/14/16
PRI (TST5878)	TAS 114	GAF-746-02-05	12/14/16
PRI (TST5878)	TAS 114	GAF-746-02-06	12/15/16
PRI (TST5878)	TAS 114	GAF-755-02-01	02/02/17
PRI (TST5878)	TAS 114	GAF-755-02-02	02/02/17
PRI (TST5878)	TAS 114	GAF-755-02-03	02/02/17
PRI (TST5878)	TAS 114	GAF-755-02-04	02/02/17
PRI (TST5878)	TAS 114	GAF-782-02-01	08/24/17
PRI (TST5878)	TAS 114	GAF-782-02-02	08/30/17
PRI (TST5878)	TAS 114	GAF-776-02-02	10/04/17
PRI (TST5878)	Criticality	GAF-793-02-01	12/08/17
PRI (TST5878)	TAS 114	GAF-793-02-02	12/08/17
PRI (TST5878)	TAS 114	GAF-793-02-04	12/08/17
PRI (TST5878)	TAS 114	GAF-835-02-02	02/19/18
PRI (TST5878)	TAS 114	GAF-834-02-01	02/28/18
PRI (TST5878)	TAS 114	GAF-835-02-03	02/28/18
PRI (TST5878)	TAS 114	GAF-835-02-04	02/28/18
PRI (TST5878)	TAS 114	GAF-833-02-01	03/02/18
PRI (TST5878)	TAS 114	GAF-833-02-02	03/02/18
PRI (TST5878)	TAS 114	GAF-836-02-01	03/02/18
PRI (TST5878)	TAS 114	GAF-836-02-02	03/02/18
PRI (TST5878)	TAS 114	GAF-836-02-03	03/02/18
PRI (TST5878)	TAS 114	GAF-836-02-04	03/02/18
PRI (TST5878)	TAS 114	GAF-858-02-05	04/27/18
PRI (TST5878)	TAS 114	GAF-858-02-01	05/01/18
PRI (TST5878)	TAS 114	GAF-858-02-02	05/01/18
PRI (TST5878)	TAS 114	GAF-858-02-03	05/01/18
PRI (TST5878)	TAS 114	GAF-858-02-04	05/01/18
PRI (TST5878)	TAS 114	GAF-858-02-06	05/01/18
PRI (TST5878)	TAS 114	GAF-834-02-03	05/11/18
PRI (TST5878)	TAS 114	GAF-902-02-02	02/27/19
PRI (TST5878)	TAS 114	GAF-926-02-02	07/17/19
PRI (TST5878)	TAS 114	376T0014	08/09/19
PRI (TST5878)	TAS 114	376T0016	08/09/19
PRI (TST5878)	TAS 114	376T0017	08/09/19
PRI (TST5878)	Criticality	376T0006-3	09/06/19
PRI (TST5878)	TAS 114	376T0025	09/06/19
PRI (TST5878)	TAS 114	376T0026	09/06/19
PRI (TST5878)	TAS 114	376T0027	09/19/19
PRI (TST5878)	TAS 114	376T0097	10/26/20
PRI (TST5878)	Criticality	376T0006-1	01/18/21
PRI (TST5878)	TAS 114	376T0093	01/26/21
PRI (TST5878)	TAS 114	376T0098	01/26/21
PRI (TST5878)	TAS 114	376T0099	01/26/21
PRI (TST5878)	TAS 114	376T0165	06/04/21
PRI (TST5878)	TAS 114	376T0166	06/07/21
PRI (TST5878)	Criticality	376T0168	06/07/21
PRI (TST5878)	TAS 114	376T0182	09/13/21
PRI (TST5878)	TAS 114	376T0184	09/13/21
PRI (TST5878)	FM 4474	376T0185	09/13/21
PRI (TST5878)	TAS 114	410T0026	12/15/21
PRI (TST5878)	FM 4474	376T0307	06/02/22
PRI (TST5878)	TAS 114	376T0311	07/19/22
PRI (TST5878)	TAS 114	376T0312	07/19/22
PRI (TST5878)	FM 4474	376T0404.3	05/11/23
PRI (TST5878)	FM 4474	376T0404.4	05/11/23
PRI (TST5878)	FM 4474	376T0405.2	05/11/23
PRI (TST5878)	FM 4474	376T0405.3	05/11/23
PRI (TST5878)	FM 4474	376T0461	10/09/23
PRI (TST5878)	FM 4474	376T0490	12/14/23
PRI (TST5878)	FM 4474	376T0491.2	01/16/24
PRI (TST5878)	FM 4474	376T0470	02/13/24
PRI (TST5878)	FM 4474	376T0488.1	02/13/24
PRI (TST5878)	FM 4474	376T0513	03/19/24
PRI (TST5878)	FM 4474	376T0532.1	05/09/24
PRI (TST5878)	FM 4474	376T0532.2	05/09/24
PRI (TST5878)	Criticality	376T0489	05/13/24
PRI (TST5878)	Criticality	376T0536	07/24/24
PRI (TST5878)	FM 4474	376T0565.1	10/16/24
PRI (TST5878)	FM 4474	376T0565.2	10/16/24
PRI (TST5878)	FM 4474	376T0573	10/29/24
PRI (TST5878)	Criticality	376T0590	11/18/24
PRI (TST5878)	FM 4474	376T0570.2	12/16/24
PRI (TST5878)	FM 4474, TAS 114	376T0588.1	12/16/24
PRI (TST5878)	FM 4474, TAS 114	376T0588.2	12/16/24
PRI (TST5878)	FM 4474, TAS 114	376T0588.3	12/16/24
PRI (TST5878)	Criticality	376T0591	12/16/24
PRI (TST5878)	TAS 114	376T0589	01/14/25
PRI (TST5878)	FM 4474	376T0597.1	01/15/25

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Entity	Exam	Reference	Date	Entity	Exam	Reference	Date
FM (TST1867)	FM 4474	3061784	07/25/18	PRI (TST5878)	Criticality	376T0606	04/09/25
FM (TST1867)	FM 4474	RR215107-267	09/27/18	PRI (TST5878)	FM 4474	376T0604.1	04/28/25
FM (TST1867)	FM 4474	3055904	10/25/18	PRI (TST5878)	FM 4474	376T0669	09/16/25
FM (TST1867)	FM 4474	RR215191-267	11/07/18	PRI (TST5878)	FM 4474	376T0675	10/28/25
FM (TST1867)	FM 4474	RR215193-267	11/08/18	PRI (TST5878)	ASTM D6878 (TX)	376T0660	05/28/26
FM (TST1867)	FM 4474	RR217564-267	02/05/19	PRI (TST5878)	ASTM D6878 (TX)	376T0661	06/17/26
FM (TST1867)	FM 4474	PR450261	10/22/19	PRI (TST5878)	ASTM D6878 (UT)	376T0659	06/19/26
FM (TST1867)	FM 4474	PR453601-R1	11/15/19	NEMO	Traceability	SPE	07/16/26
FM (TST1867)	FM 4474	PR453353	01/31/20	UL (QUA9625)	QA	Service confirm	08/18/25
FM (TST1867)	Criticality	PR452423	02/06/20	UL (QUA9625)	QA	Florida BCIS	Current

4. PRODUCT DESCRIPTION:

This PEER covers **EverGuard® TPO Roof Systems** installed in accordance with **GAF** published installation instructions and the Limitations of Use herein.

TABLE 1: EVALUATED MEMBRANES

Type	Product		Material Standard			Plant(s)
			Reference	Type	Grade	
Roof Cover or Cap Ply	EverGuard® TPO	45, 60, 80-mil	ASTM D6878	N/A	N/A	GA-V, IN, PA, TX, UT
	EverGuard Extreme® TPO	50, 60, 70, 80-mil				IN, TX, UT
	EverGuard Extreme® TPO	50, 60, 70-mil				PA
	EverGuard® TPO Fleece-Back Membrane	45, 60, 80-mil				GA-V, IN, PA, UT
	EverGuard® TPO Fleece-Back Membrane 100, 115 and 135	45, 60, 80-mil				GA-V, IN, PA, UT
	EverGuard Extreme® TPO Fleece-Back Membrane	50, 60, 70, 80-mil				IN
	EverGuard® SA TPO	45, 60, 80-mil				IN
Base Sheets	GAFGLAS® #75 Base Sheet		ASTM D4601	II	N/A	AL, CA-F, GA-S
	Tri-Ply® #75 Base Sheet					AL, CA-F, GA-S
	GAFGLAS® #80 Ultima™ Base Sheet					AL, GA-S
	GAFGLAS® Stratavent® Nailable Venting Base Sheet		ASTM D4897	II	N/A	AL, GA-S
Base Plys:	Ruberoid® 20 Smooth		ASTM D6163	I	S	AR
	Ruberoid® HW 20 Smooth			I	S	AR
	Ruberoid® HW 25 Smooth			I	S	GA-S
	Ruberoid® HW Smooth		ASTM D6164	I	S	GA-S
	Ruberoid® Mop Smooth			I	S	GA-S
	Ruberoid® Mop Smooth 1.5			I	S	GA-S

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TABLE 1: EVALUATED MEMBRANES					
TYPE	PRODUCT	MATERIAL STANDARD			PLANT(S)
		REFERENCE	TYPE	GRADE	
VAPOR BARRIER MEMBRANES:	GAFGLAS® #75 Base Sheet	ASTM D4601	II	N/A	AL, CA-F, GA-S
	Tri-Ply® #75 Base Sheet		II	N/A	AL, CA-F, GA-S
	GAFGLAS #80 Ultima Base Sheet		II	N/A	AL, GA-S
	GAFGLAS® Ply 4	ASTM D2178	IV	N/A	AL, CA-F, GA-S
	Tri-Ply Ply 4 Ply Sheet		IV	N/A	AL, CA-F, GA-S
	GAFGLAS® Ply 4 M		IV	N/A	AL
	GAFGLAS® FlexPly™ 6		VI	N/A	AL, GA-S
	GAFGLAS® FlexPly™ 6 M		VI	N/A	AL
	Ruberoid® 20 Smooth	ASTM D6163	I	S	AR
	Ruberoid® HW 20 Smooth		I	S	AR
	Ruberoid® HW 25 Smooth		I	S	GA-S
	Ruberoid® HW 30 Smooth		I	S	AR
	Ruberoid® HW Smooth	ASTM D6164	I	S	GA-S
	Ruberoid® Mop Smooth		I	S	GA-S
	Ruberoid® Mop Smooth 1.5		I	S	GA-S
	Ruberoid® Mop Plus Smooth		I	S	GA-S
	Liberty™ SBS Self-Adhering Cap Sheet		I	G	AR, GA-S
	Ruberoid® HW Granule		I	G	GA-S
	Ruberoid® Mop Granule		I	G	CA-S, GA-S
	Ruberoid® HW Plus Granule		II	G	GA-S
	Ruberoid® Torch Smooth	ASTM D6222	I	S	CA-S, GA-S, IN
	Ruberoid® Torch Granule		I	G	CA-S, GA-S, IN
	GAF SA Vapor Retarder XL and XL40	N/A	N/A	N/A	IN

5. LIMITATIONS:

5.1 This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this PEER, or previous versions thereof, is/was used for permitting or design guidance. PEERs are not to be construed as representing any attributes not specifically listed, nor are PEERs to be construed as an endorsement of the subject, or a recommendation for its use. There is no warranty by NEMO ETC, LLC or Robert Nieminen, P.E., express or implied, as to any finding or other matter in this PEER, or as to any product covered by the PEER.

5.2 This PEER is not for use in FBC High Velocity Hurricane Zone jurisdictions, as defined in FBC Chapter 2 (Broward and Miami-Dade Counties).

5.3 This PEER pertains to above-deck roof components. Roof decks and structural members shall be in accordance with requirements of the applicable Code to the satisfaction of the Authority Having Jurisdiction.

5.4 This PEER does not include evaluation of fire classification. Refer to **FBC or IBC 1505** for requirements and limitations regarding roof assembly fire classification. Refer to **FBC or IBC 2603** for requirements and limitations concerning the use of foam plastic insulation.

5.5 This PEER does not include evaluation of roof edge termination. Refer to **FBC 1504.5 or IBC 1504.6** for requirements and limitations regarding edge securement for low-slope roofs.

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5.6 Refer to **FBC 1511 or IBC 1512** for requirements and limitations regarding recover installations.

5.6.1 For mechanically attached components over existing roof decks, fasteners shall be tested in the existing deck for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with **ANSI/SPRI FX-1** or **Testing Application Standard TAS 105**.

5.6.2 For bonded insulation or membrane over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with **ANSI/SPRI IA-1**, **ASTM E907**, **FM Loss Prevention Data Sheet 1-52** or **Testing Application Standard TAS 124** shall be conducted on mock-ups of the proposed new roof assembly.

5.6.3 For bonded insulation or membrane over existing substrates in a recover installation, the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with **ASTM E907**, **FM Loss Prevention Data Sheet 1-52** or **Testing Application Standard TAS 124**.

5.7 Refer to Appendix 1 for system attachment requirements for wind load resistance.

5.7.1 "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety per **FBC 1504.9** has already been applied). Refer to **FBC or IBC 1609** for determination of design wind loads.

5.7.2 For mechanically attached components or partially-bonded insulation, the maximum design pressure for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with **FBC or IBC Chapter 16**. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are **ANSI/SPRI WD1**, **FM Loss Prevention Data Sheet 1-29**, **Roofing Application Standard RAS 117** or **RAS 137**. Assemblies marked with an asterisk* carry the limitations set forth in **Section 2.2.10.1 of FM Loss Prevention Data Sheet 1-29** for Zone 2/3 enhancements.

5.7.3 For assemblies with all components fully bonded in place, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with **FBC or IBC Chapter 16**. No rational analysis is permitted for these systems.

5.8 Corrosion Resistance – Saltwater Environments:
Fasteners and connectors, if applicable, in areas within 3,000 feet of a saltwater coastline shall demonstrate compliance with FBC 1711 to the satisfaction of the Authority Having Jurisdiction.

5.9 All components in the roof assembly shall have quality assurance audit in accordance with **F.A.C. Rule 61G20-3**. Refer to the Product Approval of the component manufacturer for components listed in Appendix 1 that are produced by a Product Manufacturer other than the report holder on Page 1 of this PEER.

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6. INSTALLATION:

EverGuard® TPO Roof Systems shall be installed in accordance with **GAF** published installation instructions, subject to the Limitations of Use noted herein.

7. BUILDING PERMIT REQUIREMENTS:

As required by the Building Official or Authority Having Jurisdiction to properly evaluate the installation of this product.

8. MANUFACTURING PLANTS:

Contact the named QA entity for manufacturing facilities covered by **F.A.C. Rule 61G20-3** QA requirements. Refer to Section 4 herein for products and production locations having met codified material standards.

9. QUALITY ASSURANCE ENTITY:

UL (QUA9625): (360) 817-5512; bsai.inspections@ul.com

- THE 234-PAGES THAT FOLLOW FORM PART OF THIS PEER -

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APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE

TABLE	DECK	APPLICATION	TYPE	DESCRIPTION	PAGE
1A	Wood	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	12
1B	Wood	New or Reroof (Tear-Off)	A-2	Bonded Vapor Barrier, Bonded Insulation, Bonded Roof Cover	14
1C	Wood	New, Reroof (Tear-Off) or Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	15
1D	Wood	New or Reroof (Tear-Off)	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	16
1E	Wood	New, Reroof (Tear-Off) or Recover	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	19
1F	Wood	New, Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	22
1G	Wood	New, Reroof (Tear-Off) or Recover	C-2	Induction-Welded Roof Cover	29
1H	Wood	New, Reroof (Tear-Off) or Recover	D-1	Insulated, Mechanically Attached Roof Cover	34
1I	Wood	New, Reroof (Tear-Off) or Recover	E-1	Non-Insulated, Mechanically Attached Roof Cover	35
1J	Wood	New, Reroof (Tear-Off) or Recover	E-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	35
2A	Steel	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	37
2B	Steel	New or Reroof (Tear-Off)	A-2	Bonded Vapor Barrier, Bonded Insulation, Bonded Roof Cover	39
2C	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	41
2D	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Base and Cap Ply	64
2E	Steel	New or Reroof (Tear-Off)	B-2	Mechanically Attached Thermal Barrier, Bonded Vapor Barrier, Bonded Insulation, Bonded Roof Cover	68
2F	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	72
2G	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Base and Cap Ply	121
2H	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	C-1A	Thermal Barrier with Vapor Barrier, Mechanically Attached Insulation, Bonded Roof Cover	127
2I	Steel	New, Reroof (Tear-Off) or Recover	C-2	Induction-Welded Roof Cover	131
2J	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	D-1	Insulated, Mechanically Attached Roof Cover	134
2K	Steel	New, Reroof (Tear-Off) or Recover	D-3	Insulated, Mechanically Attached and Induction Welded Roof Cover	141
3A	Structural concrete	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	142
3B	Structural concrete	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Base and Cap Ply	163
3C	Structural concrete	New, Reroof (Tear-Off) or Recover	C-2	Induction-Welded Roof Cover	165
3D	Structural concrete	New or Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	165
4A	Deck with Lightweight Concrete	New or Reroof (Tear-Off)	A-1	LWC to Deck, Bonded Insulation, Bonded Roof Cover	166
4B	Deck with Lightweight Concrete	New or Reroof (Tear-Off)	B-3	LWC to Deck, Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	169
4C	Deck with Lightweight Concrete	New or Reroof (Tear-Off)	B-3	LWC to Deck, Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	170
4D	Deck with Lightweight Concrete	New, Reroof (Tear-Off) or Recover	C-2	LWC to Deck, Optional Insulation, Through-attached Induction Welded Roof Cover	171
4E	Deck with Lightweight Concrete	New, Reroof (Tear-Off) or Recover	D-1	LWC to Deck, Through-attached Mechanically Attached Roof Cover	172
4F	Deck with Lightweight Concrete	New, Reroof (Tear-Off) or Recover	D-1	LWC to Deck, Through-attached Mechanically Attached Roof Cover	174
4G	Deck with Lightweight Concrete	New or Reroof (Tear Off)	E-2	LWC to Deck, Mechanically Attached Base Sheet, Bonded Roof Cover	174
4H	Deck with Lightweight Concrete	New or Reroof (Tear Off)	F	LWC to Deck, Bonded Roof Cover	176
4I	Deck with Lightweight Concrete	New or Reroof (Tear Off)	F	LWC to Deck, Bonded Roof Cover	178
4J	Deck with Lightweight Concrete	New or Reroof (Tear Off)	F	LWC to Deck, Bonded Base and Cap Ply	178
4K	Deck with Lightweight Concrete	New or Reroof (Tear Off)	F	Vapor Barrier to Deck, LWC to Vapor Barrier, Bonded Roof Cover	179
5A	Cementious wood fiber	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	180
5B	Cementious wood fiber	New, Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	181
5C	Cementitious wood fiber	New or Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	181
6A	Existing gypsum	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	182
6B	Existing gypsum	Reroof (Tear-Off)	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	184
6C	Existing gypsum	Reroof (Tear-Off)	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	187
6D	Existing gypsum	Reroof (Tear-Off)	C-1	Mechanically Attached Insulation, Bonded Roof Cover	188
6E	Existing gypsum	Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	188
7A	Various	Recover	A-1	Bonded Insulation, Bonded Roof Cover	189
7B	Wood or Steel	Recover	C-2	Induction-Welded Roof Cover	228
7C	Steel	Recover	D-1	Insulated, Mechanically Attached Roof Cover	230
7D	Various	Recover	F	Non-Insulated, Bonded Roof Cover	232
8A	Proprietary Deck Type	New	A-1	Bonded Insulation, Bonded Roof Cover	233

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The following notes apply to the systems outlined herein:

1 The roof system evaluation herein pertains to above-deck roof components. Roof decks and structural members shall be in accordance with requirements of the applicable Code to the satisfaction of the Authority Having Jurisdiction.

2 Unless otherwise noted, fasteners and stress plates shall be as follows. Recessed plates are not for use with cement-based or gypsum-based hardboard coverboards. Fasteners shall be of sufficient length for the following engagements:

Fastener/Plate Options				
		Parts		
Deck Type	By	Loose Parts	Pre-assembled Parts	Minimum Engagement
Wood	GAF	Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #12 DPH Fastener, Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec AccuTrac Flat Plate, Drill-Tec AccuTrac Recessed Plate (insulation only), Drill-Tec 3" Flat Steel Plate or Drill-Tec 3" Recessed Steel Plate	Drill-Tec 3" ASAP Flat, Drill-Tec 3" ASAP Recessed, Drill-Tec ASAP 3S or Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate	Minimum ¾-inch plywood penetration or minimum 1-inch wood plank embedment
Steel	GAF	Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #12 DPH Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec AccuTrac Flat Plate, Drill-Tec AccuTrac Recessed Plate (insulation only), Drill-Tec 3" Flat Steel Plate or Drill-Tec 3" Recessed Steel Plate	Drill-Tec 3" ASAP Flat, Drill-Tec 3" ASAP Recessed, Drill-Tec ASAP 3S, Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate or Drill-Tec Extra Heavy Duty ASAP Roofing Fastener – Insulation	Minimum ¾-inch steel penetration and engage the top flute of the steel deck
	Note:	Unless otherwise noted, Drill Tec #12 DF Fastener or Drill Tec #14 DF Fastener with Drill Tec 3" DF Steel Insulation Plate may be used in place of Drill-Tec #12 Fastener or Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate when used to secure DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board to steel deck, up to a maximum allowable design pressure (MDP) of -120.0 psf.		
	Note:	Unless otherwise noted, Drill Tec #12 DF Fastener or Drill Tec #14 DF Fastener with Drill Tec 3" DF Steel Insulation Plate may be used in place of Drill-Tec #12 Fastener or Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate when used to secure min. 0.5-inch thick Structodek High Density Fiberboard Roof Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation to steel deck.		
Structural Concrete	GAF	Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener or Drill-Tec CD-10 with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec AccuTrac Flat Plate, Drill-Tec AccuTrac Recessed Plate (insulation only), Drill-Tec 3" Flat Steel Plate or Drill-Tec 3" Recessed Steel Plate	Drill-Tec 3" ASAP Flat (#14 only) or Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate	Minimum 1-inch embedment. Fasteners installed with a pilot hole in accordance with the fastener manufacturer's published installation instructions
	Note:	Unless otherwise noted, Drill Tec #14 DF Fastener with Drill Tec 3" DF Steel Insulation Plate may be used in place of Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate when used to secure min. DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board to structural concrete deck, up to a maximum allowable design pressure (MDP) of -120.0 psf.		
	Note:	Unless otherwise noted, Drill Tec #14 DF Fastener with Drill Tec 3" DF Steel Insulation Plate may be used in place of Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate when used to secure min. 0.5-inch thick Structodek High Density Fiberboard Roof Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard POLYISO INSULATION or EnergyGuard Ultra Polyiso Insulation to structural concrete deck.		

3 RESERVED

4 Minimum 200 psi, minimum 2-inch thick FBC Approved lightweight insulating concrete may be substituted for, or installed below, rigid insulation board for System Types B-1, C-1, C-2, D-1 or D-2, whereby fasteners are installed through the lightweight insulating concrete to engage the structural deck. The structural deck shall be of equal or greater type, thickness and strength to the steel and structural concrete deck listings. Roof decks and structural members shall be in accordance with requirements of the applicable Code to the satisfaction of the Authority Having Jurisdiction. This is a wind uplift resistance allowance and does not purport to address non-wind-uplift-related issues, such as deck venting or moisture levels within the LWIC and the potential effect on overlying components.

5 RESERVED

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6 Unless otherwise noted, insulation adhesive application rates are as follows.
- ✓ Ribbon or bead width is at the time of application; the ribbons/beads shall expand as noted in the manufacturer's published instructions.
- ✓ If applying hot asphalt to concrete deck, deck shall be primed with ASTM D41 primer.
- ✓ When multiple layers(s) of insulation and/or coverboard are installed in ribbon-applied adhesive, board joints shall be staggered.
- ✓ The maximum edge distance from the adhesive ribbon to the edge of the insulation board shall be not less than one-half the specified ribbons spacing.

INSULATION ADHESIVE REFERENCES				
BY	ADHESIVE	REFERENCE	FBC FILE OR NOA	MINIMUM RATE
GAF	GAF LRF Adhesive M	'LRF-M'	N/A	Continuous 0.75 to 1-inch ribbons, 12-inch o.c.
GAF	GAF LRF Adhesive M Canister	'LRF-M Canister'	N/A	Continuous 1 to 1.5-inch ribbons, 12-inch o.c.
GAF	GAF LRF Adhesive XF	'LRF-XF'	N/A	Continuous 0.75 to 1-inch ribbons, 12-inch o.c.
OMG, Inc.	OlyBond 500 Adhesive Fastener	'OB500'	FL1608	Continuous 0.75-inch wide ribbons, 12-inch o.c. (PaceCart, SpotShot or Canister)
Generic, ASTM D312, Type IV	hot asphalt	N/A	N/A	Full coverage at 25-30 lbs/square

7 Unless otherwise noted, all insulations are flat-stock or taper board of the minimum thickness noted. Tapered polyisocyanurate at the following thickness limitations may be substituted with the following Maximum Design Pressure (MDP) limitations. In no case shall these values be used to 'increase' the MDP listings in the tables; rather if MDP listing below meets or exceeds that listed for a particular system in the tables, then the thinner board listed below may be used as a drop-in for the equivalent thicker material listed in the table.

MDP LIMITATIONS FOR TAPERED POLYISOCYANURATE INSULATIONS				
ADHESIVE	INSULATION		MIN. TAPERED THICKNESS (IN)	MDP (PSF)
	LISTED PRODUCT	FBC FILE OR NOA		
LRF-M	EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	FL16311	0.5	-232.5
LRF-XF	EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	FL16311	0.5	-292.5
LRF-XF	EnergyGuard RA	25-0123.02	0.5	-487.5
OB500	EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	FL16311	0.5	-292.5
OB500	EnergyGuard RA	25-0123.02	0.5	-487.5
Hot asphalt	Any EnergyGuard polyisocyanurate listed with adhesive herein	Various	0.5	-240.0

8 For adhered roof insulation and board-size: Unless otherwise noted, refer to Section 2.2.10.6.2 of FM Loss Prevention Data Sheet 1-29.

9 For mechanically attached components or partially-bonded insulation, the maximum design pressure for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with FBC or IBC Chapter 16. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are ANSI/SPRI WD1, FM Loss Prevention Data Sheet 1-29, Roofing Application Standard RAS 117 and RAS 137. Assemblies marked with an asterisk* carry the limitations set forth in Section 2.2.10.1 of FM Loss Prevention Data Sheet 1-29 for Zone 2/3 enhancements.

10 For assemblies with all components fully bonded, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with FBC or IBC Chapter 16. No rational analysis is permitted for these systems.

11 For mechanically attached components over existing decks, fasteners shall be tested in the existing deck for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing and analysis shall be in accordance with ANSI/SPRI FX-1 or Testing Application Standard TAS 105.

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12 For bonded insulation or membrane over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing shall be conducted on mock-ups of the proposed new roof assembly. For bonded insulation or membrane over existing substrates in a recover installation, the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing. Field uplift testing shall be in accordance with ASTM E907, FM Loss Prevention Data Sheet 1-52 or Testing Application Standard TAS 124.

12A Reference to "*Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel"* in Table 7A is intended to convey an as-tested condition whereby any loose-gravel that does not remain embedded in the asphalt flood coat after brushing and/or spudding be removed. The gravel that remains embedded in the asphalt flood coat remains.

13 Refer to FBC 1511 or IBC 1512 for requirements and limitations regarding recover installations. For Structural Concrete Deck or Recover Applications using System Type C-1 the base insulation layer is optional and for System Type C-2, D-1 or D-2, the insulation is optional. Alternatively, an FBC Approved insulation board or coverboard may be used as a separation layer. Board products shall be preliminarily attached prior to roof cover installation **(Note 17)**. The separator component shall be documented as meeting FBC or IBC 1505 and, for foam plastic, FBC or IBC Chapter 26, when installed with the roof cover in Recover applications.

14 Lightweight insulating concrete (LWIC) shall be cast in accordance with FBC Section 1917 to the satisfaction of the Authority Having Jurisdiction. For systems where specific LWIC is referenced, refer to current LWIC Product Approval for specific deck construction and limitations. Unless otherwise noted, for systems where specific LWIC is not referenced, the minimum design mix shall be 300 psi. In all cases, the minimum top-coat thickness is 2-inches. For LWIC over structural concrete, reference is made to FBC Section 1917.4.1, Point 1.

14A For "pre-existent" LWIC references, listings were established through testing over lightweight concrete cast using only foaming agent (ASTM C896), water and Portland cement (ASTM C150), with no proprietary additives, in accordance with procedures adopted by Miami-Dade BCCO (FBC CER1592). Use of these listings in new construction or re-roof (tear-off) applications is at the discretion of the Designer or Record and Authority Having Jurisdiction.

As a field QA measure of the pre-existent cellular lightweight concrete:

- Compressive strength testing shall be conducted in accordance with **ASTM C513** and shall yield an average result as per the system listing.
- Field withdrawal resistance testing in accordance with **Note 11** shall yield an average result as per the system listing.
- If question exists as to wind uplift performance of the pre-existent cellular lightweight concrete, or adhesion to the LWC surface, field uplift testing in accordance with **Note 12** is recommended.

All testing shall be performed by an accredited testing agency acceptable to the Authority Having Jurisdiction

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15 For bonded membrane applications, unless otherwise noted, refer to the following.

MEMBRANE / ADHESIVE COMBINATIONS ROOF COVERS				
REFERENCE	MEMBRANE	ADHESIVE	APPLICATION	RATE
TPO-SA	EverGuard SA TPO	self-adhering	self-adhering	self-adhering
TPO-1121	EverGuard TPO	EverGuard TPO 1121 Bonding Adhesive	Contact (both sides)	0.8 to 1.0 gal/square/surface. For use over SECUROCK Gypsum-Fiber Roof Board, the application rate changes to 1.2 to 1.67 gal/sq/surface
TPO-3SQ	EverGuard TPO	EverGuard TPO 3 Square Low VOC Bonding Adhesive	Contact (both sides)	0.84 gal/square/surface
TPO-6SQ	EverGuard TPO	EverGuard TPO 6 Square Low VOC Bonding Adhesive	Contact (both sides)	0.46 gal/square/surface
TPO-QSA	EverGuard TPO	EverGuard TPO Quick Spray Adhesive	Contact (both sides)	Total application rate: ~0.71 lbs/sq (dry rate).
TPO-QSALV50	EverGuard TPO	EverGuard TPO Quick Spray Adhesive LV 50	Contact (both sides)	Total application rate: ~0.84 lbs/sq (dry-rate).
TPO-WB	EverGuard TPO	EverGuard WB181 Bonding Adhesive	Contact (both sides)	To polyisocyanurate or Structodek High Density Fiberboard Roof Insulation at 0.63 gal/square and roof cover underside at 0.21 gal/square. To DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board at 0.63 to 0.75 gal/square and roof cover underside at 0.21 to 0.25 gal/square
TPOFB-HA1	EverGuard TPO Fleece-Back Membrane	hot asphalt	Wet lay (substrate)	25 lbs/square
TPOFB-HA2	EverGuard TPO Fleece-Back Membrane 100, 115 or 135			
TPOFB-LM1	EverGuard TPO Fleece-Back Membrane	GAF LRF Adhesive M	Wet lay (substrate)	1-inch wide ribbons spaced as noted in tables herein. Note: The adhesive ribbons are located directly over the adhesive ribbons used to secure the insulation when the cover is bonded to insulation less than 1.5-inch thick or "spatter pattern" at 0.55 to 0.75 gal/square.
TPOFB-LM2	EverGuard TPO Fleece-Back Membrane 100, 115 or 135			
TPOFB-LMC1	EverGuard TPO Fleece-Back Membrane	GAF LRF Adhesive M Canister	Wet lay (substrate)	"Spatter pattern" at 0.3 gal/square. Notes: TPOFB-LMC1 (spatter) is an acceptable alternate to TPOFB-LM1 (ribbons). Limited to MDP -90.0 psf over air permeable decks (wood, steel and CWF).
TPOFB-LMC2	EverGuard TPO Fleece-Back Membrane 100, 115 or 135	GAF LRF Adhesive M Canister	Wet lay (substrate)	"Spatter pattern" at 0.3 gal/square. Notes: TPOFB-LMC2 (spatter) is an acceptable alternate to TPOFB-LM2 (ribbons). Limited to MDP -90.0 psf over air permeable decks (wood, steel and CWF).
TPOFB-LO1	EverGuard TPO Fleece-Back Membrane	GAF LRF Adhesive O	Wet lay (substrate)	1-inch wide ribbons spaced as noted in tables herein. Note: The adhesive ribbons are located directly over the adhesive ribbons used to secure the insulation when the cover is bonded to insulation less than 1.5-inch thick.
TPOFB-LO2	EverGuard TPO Fleece-Back Membrane 100, 115 or 135			
TPOFB-OB1	EverGuard TPO Fleece-Back Membrane	OlyBond 500 Canister	Wet lay (substrate)	"Spatter pattern" at 0.32 gal/square (to insulation, coverboard or Tectum) "Spatter pattern" at 0.83 gal/square (to asphaltic base ply membrane). Note: TPOFB-OB1 (spatter) is an acceptable alternate to TPOFB-LO1 (ribbons).
TPOFB-OB2	EverGuard TPO Fleece-Back Membrane 100, 115 or 135	OlyBond 500 Canister	Wet lay (substrate)	"Spatter pattern" at 0.32 gal/square (to insulation, coverboard or Tectum) "Spatter pattern" at 0.83 gal/square (to asphaltic base ply membrane). Note: TPOFB-OB2 (spatter) is an acceptable alternate to TPOFB-LO2 (ribbons).
TPOFB-XF1	EverGuard TPO Fleece-Back Membrane	GAF LRF Adhesive XF	Wet lay (substrate)	"Spatter pattern" at 3.0 lbs/sq.
TPOFB-XF2	EverGuard TPO Fleece-Back Membrane 100, 115 or 135			
TPOFB-WB1	EverGuard TPO Fleece-Back Membrane	EverGuard WB181 Bonding Adhesive	Wet lay (substrate)	0.83 to 1.0 gal/square
TPOFB-WB2	EverGuard TPO Fleece-Back Membrane 100, 115 or 135	EverGuard WB181 Bonding Adhesive	Wet lay (substrate)	0.83 to 1.0 gal/square
SBS-CA	Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5, Ruberoid Mop Smooth or Ruberoid Mop Plus Smooth	Matrix 102 SBS Membrane Adhesive		1.5 gal/square

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MEMBRANE / ADHESIVE COMBINATIONS ROOF COVERS				
REFERENCE	MEMBRANE	ADHESIVE	APPLICATION	RATE
SBS-CA1	Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5, Ruberoid Mop Smooth or Ruberoid Mop Plus Smooth	Matrix 101 Premium SBS Membrane Adhesive		1.5 – 2.0 gal/square
BP-AA	One or two plies GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet or GAFGLAS #80 Ultima Base Sheet	Hot asphalt		25 lbs/square
SBS-AA	One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5, Ruberoid Mop Smooth or Ruberoid Mop Plus Smooth	Hot asphalt		25 lbs/square
SBS-SA	LIBERTY SBS Self-Adhering Cap Sheet	Self-adhering		Full bond
SBS-TA	One or two plies Ruberoid HW 20 Smooth, Ruberoid HW 25 Smooth or Ruberoid HW Smooth	Torch-applied		Full bond

MEMBRANE / ADHESIVE COMBINATIONS VAPOR BARRIERS		
REFERENCE	MATERIAL	APPLICATION
VB-APP-TA (smooth)	Ruberoid Torch Smooth	Torch-applied
VB-APP-TA (granule)	Ruberoid Torch Granule	Torch-applied
VB-BP1-AA	One or more GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet	Hot asphalt at 25 lbs/square.
VB-BP2-AA	One or two plies, GAFGLAS Ply 4, GAFGLAS Ply 4 M, Tri-Ply Ply 4 Ply Sheet, GAFGLAS FlexPly 6 or GAFGLAS FlexPly 6 M	Hot asphalt at 25 lbs/square.
VB-SBS-AA	Ruberoid 20 Smooth, Ruberoid Mop Smooth, Ruberoid Mop Smooth 1.5, Ruberoid Mop Plus Smooth or Ruberoid Mop Granule	Hot asphalt at 25 lbs/square.
VB-SBS-CA	Ruberoid 20 Smooth, Ruberoid Mop Smooth, Ruberoid Mop Smooth 1.5, Ruberoid Mop Plus Smooth or Ruberoid Mop Granule	Matrix 102 SBS Membrane Adhesive at 1.5 gal/sq.
VB-SBS-SA	Liberty SBS Self-Adhering Cap Sheet	Self-adhering
VB-SBS-TA	Ruberoid HW 20 Smooth, Ruberoid HW 25 Smooth, Ruberoid HW 30 Smooth, Ruberoid HW Smooth, Ruberoid HW Granule or Ruberoid HW Plus Granule	Torch-applied

15A For single-ply membranes in System Type D-1 steel deck applications, the roof membrane shall be run with its length perpendicular to the steel deck flutes.

15B <u>For System Type C-2 (induction weld):</u>

15B.1 Care shall be taken to ensure that the plates do not line-up with membrane seams. This condition may preclude proper induction welding of the membrane to the plates.

15B.2 For assemblies using Drill-Tec RhinoBond TPO XHD Tread Safe Plate:

- ✓ Drill-Tec Tread Safe Tubes are installed through the center hole of the Drill-Tec RhinoBond XHD Tread Safe Plate.
- ✓ The insulation thickness shall be not less than 2-inches.
- ✓ When rigid cement-board or gypsum-board is present, a 5/8-inch diameter hole shall be pre-drilled through the coverboard through which the Drill-Tec Tread Safe Tube is inserted prior to fastener installation.

15C The "Triposite Roofing System" noted herein consists of loose-laid GAFGLAS Stratavent Perforated Venting Base Sheet, followed by asphalt-applied one (1) or two (2) plies of Ruberoid 20 Smooth or three (3) plies of GAFGLAS FlexPly 6 or GAFGLAS FlexPly 6 M, followed by asphalt-applied EverGuard TPO Fleece-Back Membrane or EverGuard TPO Fleece-Back Membrane 100, 115 or 135 with 1-5/8" heat welded side laps.

15D Unless otherwise noted, the "Hybrid Roofing System" noted herein consists of asphalt-applied Ruberoid 20 Smooth, Ruberoid Mop Smooth, Ruberoid Mop Smooth 1.5, GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet or GAFGLAS #80 Ultima Base Sheet followed by asphalt-applied EverGuard TPO Fleece-Back Membrane or EverGuard TPO Fleece-Back Membrane 100, 115 or 135.

15E TruGround® Conductive Primer by Detec Systems, applied at 0.4 gal/square, may be applied to the substrate prior to membrane application for System Types C-2, D-1 or D-2 with no adverse effect on wind uplift resistance. For System Type C-2, do not contaminate the induction weld stress plate with primer.

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15F TruGround® Conductive Primer by Detec Systems, applied at 0.4 gal/square, may be applied to the substrate prior to membrane-adhesive application with the following Maximum Design Pressure (MDP) limitations. In no case shall these values be used to 'increase' the MDP listings in the tables; rather if MDP listing below meets or exceeds that listed for a particular system in the tables, then the optional use of TruGround Conductive Primer is permissible.

LIMITATIONS FOR TRUGROUND® CONDUCTIVE PRIMER				
DECK TYPE	SYSTEM TYPE	SUBSTRATE OPTIONS	MEMBRANE/ADHESIVE OPTIONS (NOTE 15)	MDP (PSF)
Any	A-1, A-2, B-1, B-2, B-3 or C-1	EnergyGuard HD Polyiso Cover Board, EnergyGuard HD Plus Polyiso Cover Board or Ultra HD Composite Insulation	TPO-SA, TPO-3SQ, TPO-QSALV50, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-142.5
		DensDeck Prime		
		DEXcell FA Glass Mat Roof Board		
		SECUROCK Gypsum-Fiber Roof Board		
Monolithic (structural concrete, lightweight concrete, recover)	A-1	EnergyGuard HD Polyiso Cover Board, EnergyGuard HD Plus Polyiso Cover Board or Ultra HD Composite Insulation	TPO-SA, TPO-3SQ or TPO-QSALV50	-285.0
			TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-382.5
		DensDeck Prime	TPO-3SQ, TPO-QSALV50, TPOFB-XF1 or TPOFB-XF2	-285.0
			TPO-SA, TPOFB-OB1 or TPOFB-OB2	-382.5
		DEXcell FA Glass Mat Roof Board	TPO-SA, TPO-3SQ or TPO-QSALV50	-285.0
			TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-382.5
		SECUROCK Gypsum-Fiber Roof Board	TPOFB-XF1 or TPOFB-XF2	-285.0
			TPO-SA, TPO-3SQ, TPO-QSALV50, TPOFB-OB1 or TPOFB-OB2	-382.5

16 **Thermal Barrier and/or Vapor Barrier Options:**

16A Structural Concrete Decks: The lesser of the MDP listings below vs. that for the selected assembly applies.

STRUCTURAL CONCRETE DECK: VAPOR BARRIER FOLLOWED BY ADHERED INSULATION					
OPTION #	PRIMER	VAPOR BARRIER (NOTE 15)		INSULATION ADHESIVE PER TABLE 3A	MDP (PSF)
		TYPE	APPLICATION		
C-VB-1.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	VB-APP-TA (granule)	Torch-applied	Hot asphalt	-225.0
C-VB-2.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	VB-BP-AA1	Hot asphalt applied	Hot asphalt	-360.0
C-VB-3.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	VB-BP2-AA or VB-SBS-AA	Hot asphalt applied	Hot asphalt	-495.0
C-VB-4.	None	GAF SA Vapor Retarder XL	Self-adhering	LRF-M, 12-inch o.c.	-180.0
C-VB-5.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	VB-APP-TA (granule), VB-SBS-AA, VB-SBS-CA, VB-SBS-SA or VB-SBS-TA	See Note 15	LRF-M, 12-inch o.c.	-180.0
C-VB-6.	GAF SA Primer	GAF SA Vapor Retarder	Self-adhering	LRF-M, 12-inch o.c.	-202.5
C-VB-7.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	VB-BP1-AA, VB-BP2-AA or VB-SBS-AA	Hot asphalt applied	LRF-M, 12-inch o.c.	-495.0
C-VB-8.	None	GAF SA Vapor Retarder XL	Self-adhering	LRF-M Canister, 12-inch o.c.	-120.0
C-VB-9.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	VB-APP-TA (granule)	Torch-applied	LRF-XF, 12-inch o.c.	-169.0
C-VB-10.	None	GAF SA Vapor Retarder XL	Self-adhering	LRF-XF 12-inch o.c.	-180.0
C-VB-11.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	VB-APP-TA (granule), VB-SBS-AA, VB-SBS-CA, VB-SBS-SA or VB-SBS-TA	See Note 15	LRF-XF, 12-inch o.c.	-180.0
C-VB-12.	GAF SA Primer	GAF SA Vapor Retarder	Self-adhering	LRF-XF, 12-inch o.c.	-202.5
C-VB-13.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	VB-SBS-SA	Self-adhering	LRF-XF, 12-inch o.c.	-250.0
C-VB-14.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	VB-BP1-AA, VB-BP2-AA or VB-SBS-AA	Hot asphalt applied	LRF-XF, 12-inch o.c.	-262.5
C-VB-15.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	Ruberoid 30	Hot asphalt applied	LRF-XF, 12-inch o.c.	-270.0
C-VB-16.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	VB-APP-TA (smooth)	Torch-applied	OB500, 12-inch o.c.	-165.0
C-VB-17.	None	GAF SA Vapor Retarder XL	Self-adhering	OB500, 12-inch o.c.	-180.0
C-VB-18.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	VB-SBS-AA, VB-SBS-CA, VB-SBS-SA or VB-SBS-TA	See Note 15	OB500, 12-inch o.c.	-180.0
C-VB-19.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	VB-SBS-SA	Self-adhering	OB500, 12-inch o.c.	-187.5

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Structural Concrete Deck: Vapor Barrier followed by Adhered Insulation					
Option #	Primer	Vapor Barrier (Note 15)		Insulation Adhesive per Table 3A	MDP (psf)
		Type	Application		
C-VB-20.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	Ruberoid 20 Smooth	Matrix 102 SBS Membrane Adhesive at 1.5 gal/square	OB500, 12-inch o.c.	-202.5
C-VB-21.	GAF SA Primer	GAF SA Vapor Retarder	Self-adhering	OB500, 12-inch o.c.	-202.5
C-VB-22.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	VB-APP-TA (granule)	Torch-applied	OB500, 12-inch o.c.	-225.0
C-VB-23.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	Ruberoid HW Smooth	Torch-applied	OB500, 12-inch o.c.	-232.5
C-VB-24.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	VB-BP1-AA, VB-BP2-AA or VB-SBS-AA	Hot asphalt applied	OB500, 12-inch o.c.	-352.5

16B Decks followed by Vapor Barrier followed by Lightweight Concrete (LWC): The lesser of the MDP listings below vs. that for the selected assembly from the Lightweight Concrete tables applies:

Vapor Barrier Options; Structural Concrete Deck followed by Cellular Lightweight Insulating Concrete					
Option #	Primer	Vapor Barrier		Lightweight Concrete per Table 4A – 4G (Note 14)	MDP (psf)
		Type	Attach		
LWC-VB-1.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	Base Ply (Optional): One or two plies Ruberoid HW 20 Smooth, Ruberoid HW 25 Smooth, Ruberoid HW Smooth Cap Ply: Ruberoid HW Granule, Ruberoid HW Granule FR, Ruberoid HW Plus Granule, Ruberoid HW Plus Granule FR	Torch-applied	Min. 200 psi Mearlcrete (FL13492)	-82.5
LWC-VB-2.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	Base Ply (Optional): One or two plies Ruberoid HW 20 Smooth, Ruberoid HW 25 Smooth, Ruberoid HW Smooth Cap Ply: Ruberoid HW Granule, Ruberoid HW Granule FR, Ruberoid HW Plus Granule, Ruberoid HW Plus Granule FR	Torch-applied	Min. 300 psi Celcore Cellular Concrete (FL2037)	-135.0
LWC-VB-3.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	Base Ply (Optional): One or two plies Ruberoid HW 20 Smooth, Ruberoid HW 25 Smooth, Ruberoid HW Smooth Cap Ply: Ruberoid HW Granule, Ruberoid HW Granule FR, Ruberoid HW Plus Granule, Ruberoid HW Plus Granule FR	Torch-applied	Min. 300 psi Elastizell (FL4994)	-302.5
LWC-VB-4.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	Ruberoid HW 20 Smooth, Ruberoid HW 25 Smooth, Ruberoid HW Smooth	Torch-applied	Min. 540 psi pre-existent cellular LWC	-358.0

16C Existing Gypsum Decks: The lesser of the MDP listings below vs. that for the selected assembly applies.

Existing Gypsum Deck: Vapor Barrier followed by Adhered Insulation					
Option #	Primer	Vapor Barrier		Insulation Adhesive per Table 6A	MDP (psf)
		Type	Application		
G-VB-1.	None	GAF SA Vapor Retarder XL	Self-adhering	OB500, 12-inch o.c.	-45.0

16D For System Types B-1, B-2, C-1, C-2, D-1, D-2, or D-3, 4-12 mil polyethylene (loose-laid) or GAF SA Vapor Retarder or GAF SA Vapor Retarder XL (self-adhered) may be installed atop the roof deck, or to a loose-laid thermal barrier of DensDeck, DensDeck Prime, DensDeck StormX Prime, DEXcell Glass Mat Roof Board, DEXcell FA Glass Mat Roof Board, DEXcell Cement Roof Board, SECUROCK Gypsum-Fiber Roof Board, SECUROCK Ultralight Coated Glass Mat Roof Board or SECUROCK Cement Roof Board, prior to installation of the insulation and roof cover. When adhering GAF SA Vapor Retarder to structural concrete, the substrate shall be primed with GAF SA Primer, EverGuard TPO Quick Spray Adhesive or EverGuard TPO Quick Spray Adhesive LV50. When adhering GAF SA Vapor Retarder to gypsum or cement boards, the substrate shall be primed with GAF SA Primer, EverGuard TPO Quick Spray Adhesive, EverGuard TPO Quick Spray Adhesive LV50 or Matrix 307 Premium Asphalt Primer. Refer to FM Loss Prevention Data Sheet 1-29 for design and installation limitations.

16E For System Types E-1 or E-2 over wood deck, an optional temporary roof of GAF SA Vapor Retarder or GAF SA Vapor Retarder XL (self-adhered) may be installed atop the roof deck prior to installation of the base sheet or roof cover. Consult GAF for maximum allowable exposure duration for these temporary roof components.

16F Fire barrier of GAF VersaShield Solo™ Fire-Resistant Slip Sheet is optional in all assemblies when overlying components are mechanically fastened.

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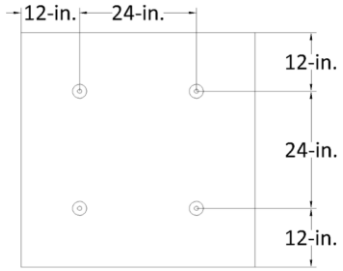
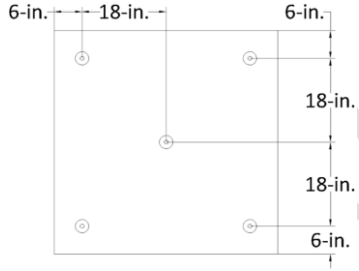
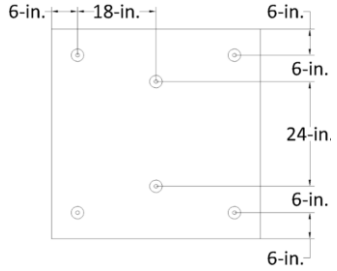
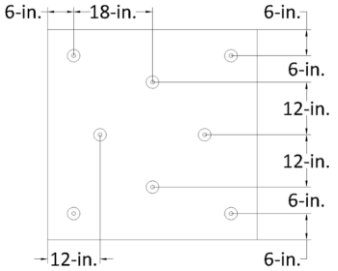
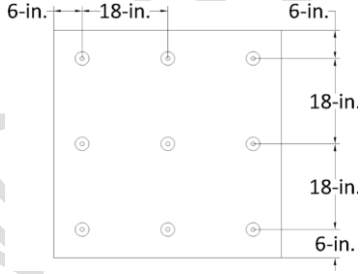
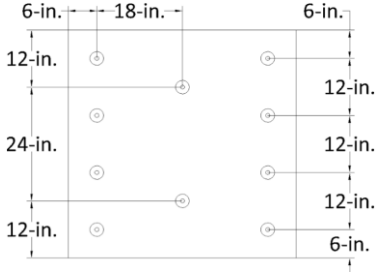
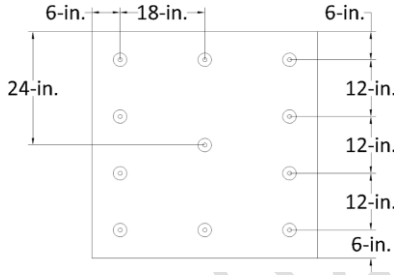
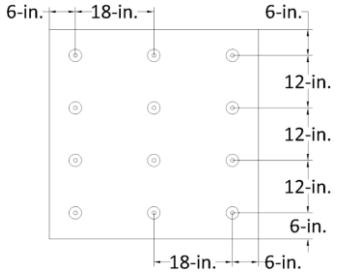
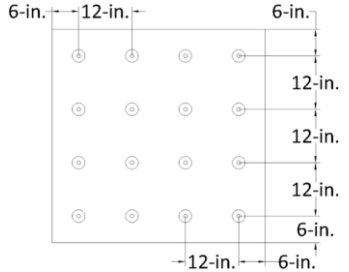
17 Insulation Attachment:

17A Unless otherwise noted, insulation may be any one layer or combination of FBC Approved (Local or Statewide) board(s) that meet FBC or IBC 1505 and, for foam plastic, FBC or IBC Chapter 26, when installed with the roof cover.

17B For System Types B-1, C-1 or C-2, optional one or more layer(s) of FBC Approved board-stock roof insulation may be installed atop the substrate prior to mechanical attachment of the subsequent top layer, with no adverse effect on the MDP performance limitation.

17C Preliminary insulation attachment: Unless otherwise noted, use FBC Approved roofing fasteners and plates and refer to Section 2.2.10.1.3 of FM Loss Prevention Data Sheet 1-29.

17D Unless otherwise noted, insulation or coverboard attachment patterns for Type B-1, Type B-2, Type C-1 and C-2 systems are as outlined below.

INSULATION ATTACHMENT PATTERNS – 4X4 FT BOARDS		
 **1 per 4.0 ft² (4 per board)**	 **1 per 3.2 ft² (5 per board)**	 **1 per 2.7 ft² (6 per board)**
 **1 per 2.0 ft² (8 per board)**	 **1 per 1.8 ft² (9 per board)**	 **1 per 1.6 ft² (10 per board)**
 **1 per 1.45 ft² (11 per board)**	 **1 per 1.3 ft² (12 per board)**	 **1 per 1.0 ft² (16 per board)**

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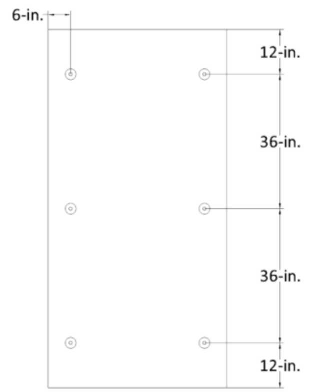
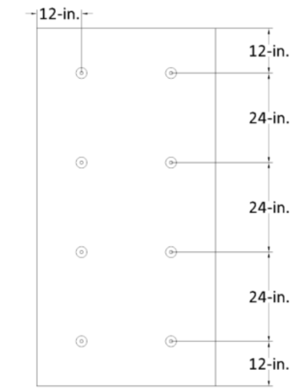
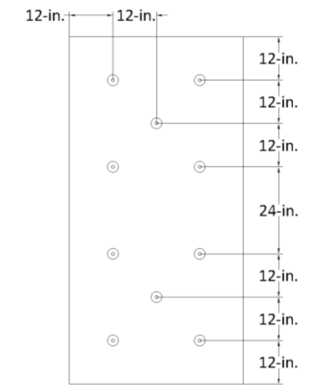
INSULATION ATTACHMENT PATTERNS – 4x8 FT BOARDS



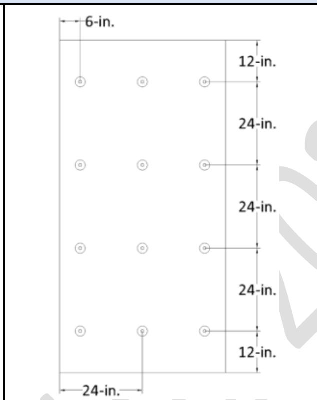
1 per 5.3 ft² (6 per board)



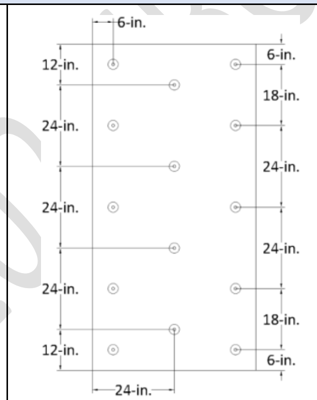
1 per 4.0 ft² (8 per board)



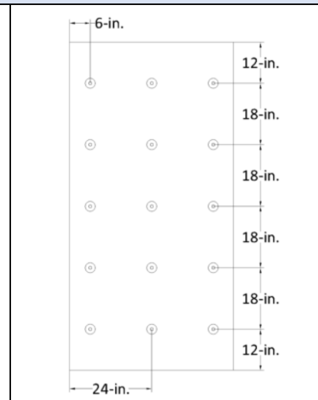
1 per 3.2 ft² (10 per board)



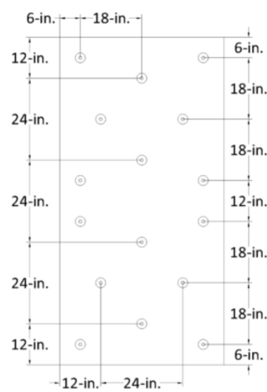
1 per 2.7 ft² (12 per board)



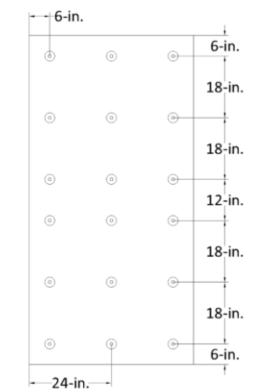
1 per 2.3 ft² (14 per board)



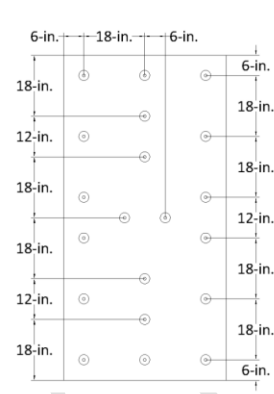
1 per 2.1 ft² (15 per board)



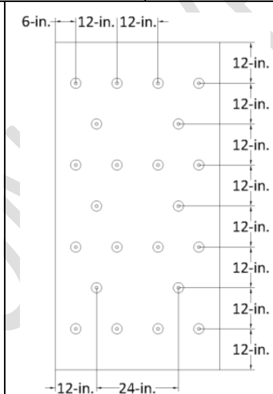
1 per 2.0 ft² (16 per board)



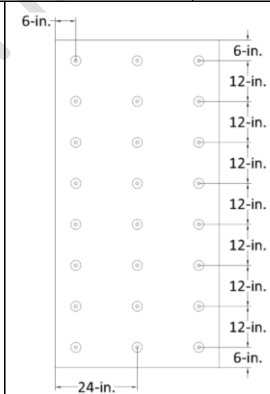
1 per 1.8 ft² (18 per board)



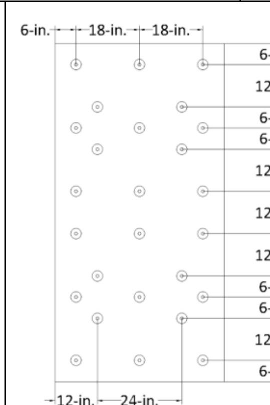
1 per 1.6 ft² (20 per board)



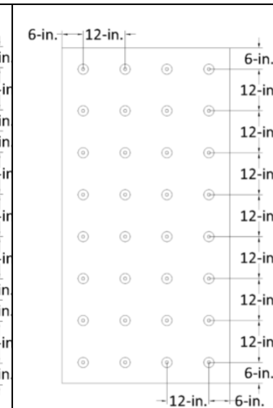
1 per 1.45 ft² (22 per board)



1 per 1.3 ft² (24 per board)



1 per 1.23 ft² (26 per board)



1 per 1.0 ft² (32 per board)

18 The following products are interchangeable within the scope of this PEER:

Acceptable Alternates				
Sub-Category	**Manufacturer**	**FBC File or NOA**	**Listed Product Herein**	**Alternate**
Roofing Insulation	GAF	FL16311	EnergyGuard Polyiso Insulation	EnergyGuard NH Polyiso Insulation
			EnergyGuard Ultra Polyiso Insulation	EnergyGuard NH Ultra Polyiso Insulation
			EnergyGuard HD Polyiso Cover Board	EnergyGuard HD Barrier Polyiso Cover Board, EnergyGuard NH HD Polyiso Cover Board, EnergyGuard NH HD Barrier Polyiso Cover Board, EnergyGuard HD Plus Polyiso Cover Board or EnergyGuard NH HD Plus Polyiso Cover Board
	Georgia-Pacific Gypsum, LLC	FL1250	DensDeck Prime	DensDeck StormX Prime Roof Board
Vapor Barrier	GAF	N/A	GAF SA Vapor Retarder XL	GAF SA Vapor Retarder XL40

19 "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads. Refer to FBC or IBC 1609 for determination of design wind loads. (Notes 9 and 10)

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TABLE 1A: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
EVERGUARD SA TPO:							
W-1.	Min. 19/32-inch plywood or OSB; 2 ft span	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layers base insulation, flat or tapered	LRF-XF	TPO-SA	-52.5
EVERGUARD TPO:							
W-2.	Min. 19/32-inch plywood or OSB; 2 ft span	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layers base insulation, flat or tapered	LRF-XF	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-52.5
W-3.	Min. 19/32-inch plywood or OSB; 2 ft span	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layers base insulation, flat or tapered	LRF-XF	TPO-QSA or TPO-QSALV50	-52.5
W-4.	Min. 15/32-inch OSB; 2 ft span	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layers base insulation, flat or tapered	OB500	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
W-5.	Min. 15/32-inch OSB; 2 ft span	Min. 1-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layers base insulation, flat or tapered	OB500	TPO-QSA or TPO-QSALV50	-45.0*
W-6.	Min. 15/32-inch plywood; 2 ft span	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layers base insulation, flat or tapered	OB500	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-67.5
W-7.	Min. 15/32-inch plywood; 2 ft span	Min. 1-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layers base insulation, flat or tapered	OB500	TPO-QSA or TPO-QSALV50	-67.5
W-8.	Min. 15/32-inch plywood; 2 ft span	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500, 6-inch o.c.	(Optional) Additional layers base insulation, flat or tapered	OB500, 6-inch o.c.	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-75.0
W-9.	Min. 15/32-inch plywood; 2 ft span	Min. 1-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	(Optional) Additional layers base insulation, flat or tapered	OB500, 6-inch o.c.	TPO-QSA or TPO-QSALV50	-75.0
EVERGUARD TPO FLEECE-BACK MEMBRANE OR EVERGUARD TPO FLEECE-BACK MEMBRANE 100, 115 OR 135:							
W-10.	Min. 19/32-inch plywood or OSB; 2 ft span	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layers base insulation, flat or tapered	LRF-XF	TPOFB-OB1, TPOFB-WB1 or TPOFB-XF1	-52.5
W-11.	Min. 19/32-inch plywood or OSB; 2 ft span	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layers base insulation, flat or tapered	LRF-XF	TPOFB-OB2 or TPOFB-XF2	-52.5
W-12.	Min. 15/32-inch OSB; 2 ft span	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layers base insulation, flat or tapered	OB500	TPOFB-OB1, TPOFB-WB1 or TPOFB-XF1	-45.0*
W-13.	Min. 15/32-inch OSB; 2 ft span	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layers base insulation, flat or tapered	OB500	TPOFB-OB2 or TPOFB-XF2	-45.0*

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TABLE 1A: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
W-14.	Min. 15/32-inch plywood; 2 ft span	Min. 1.0-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Insulation: Optional additional layer(s), min. 0.5-inch base insulation Coverboard: Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0
W-15.	Min. 15/32-inch plywood; 2 ft span	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layers base insulation, flat or tapered	OB500	TPOFB-OB1, TPOFB-WB1 or TPOFB-XF1	-67.5
W-16.	Min. 15/32-inch plywood; 2 ft span	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layers base insulation, flat or tapered	OB500	TPOFB-OB2 or TPOFB-XF2	-67.5
W-17.	Min. 15/32-inch plywood; 2 ft span	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500, 6-inch o.c.	(Optional) Additional layers base insulation, flat or tapered	OB500, 6-inch o.c.	TPOFB-OB1, TPOFB-WB1 or TPOFB-XF1	-75.0
W-18.	Min. 15/32-inch plywood; 2 ft span	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500, 6-inch o.c.	(Optional) Additional layers base insulation, flat or tapered	OB500, 6-inch o.c.	TPOFB-OB2 or TPOFB-XF2	-75.0

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TABLE 1B: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-2: BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Vapor Barrier	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
EVERGUARD SA TPO:								
W-19.	Min. 7/16-inch APA rated OSB, 1-inch SYP wood plank or min. 15/32-inch APA rated CDX plywood; 2 ft span,	GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500	(Optional) Additional layer(s) EnergyGuard Polyiso Insulation	LRF-M, LRF-XF or OB500	TPO-SA	-60.0
W-20.	Min. 7/16-inch APA rated OSB, 1-inch SYP wood plank or min. 15/32-inch APA rated CDX plywood; 2 ft span	GAF SA Vapor Retarder XL	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	TPO-SA	-60.0
EVERGUARD TPO:								
W-21.	Min. 7/16-inch APA rated OSB, 1-inch SYP wood plank or min. 15/32-inch APA rated CDX plywood; 2 ft span	GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500	(Optional) Additional layer(s) EnergyGuard Polyiso Insulation	LRF-M, LRF-XF or OB500	TPO-1121, TPO-3SQ, TPO-QSA, TPO-QSALV50 or TPO-WB	-60.0
W-22.	Min. 7/16-inch APA rated OSB, 1-inch SYP wood plank or min. 15/32-inch APA rated CDX plywood; 2 ft span	GAF SA Vapor Retarder XL	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	TPO-1121, TPO-3SQ, TPO-QSA, TPO-QSALV50 or TPO-WB	-60.0
EVERGUARD TPO FLEECE-BACK MEMBRANE:								
W-23.	Min. 7/16-inch APA rated OSB, 1-inch SYP wood plank or min. 15/32-inch APA rated CDX plywood; 2 ft span	GAF SA Vapor Retarder XL	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500	Additional layer(s) base insulation	LRF-M, LRF-XF or OB500	TPOFB-LM1 (spatter), TPOFB-LM2 (spatter), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1, TPOFB-XF2 or TPOFB-WB	-60.0
W-24.	Min. 7/16-inch APA rated OSB, 1-inch SYP wood plank or min. 15/32-inch APA rated CDX plywood; 2 ft span	GAF SA Vapor Retarder XL	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	TPOFB-LM1 (spatter), TPOFB-LM2 (spatter), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1, TPOFB-XF2 or TPOFB-WB	-60.0

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TABLE 1C: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
EVERGUARD SA TPO APPLICATIONS:								
W-25.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	Min 2-inch EnergyGuard Polyiso Insulation	Note 2 (#14 Fastener only)	1 per 2.0 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	TPO-SA	-52.5
EVERGUARD TPO APPLICATIONS:								
W-26.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	Min 2-inch EnergyGuard Polyiso Insulation	Note 2 (#14 Fastener only)	1 per 2.0 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	TPO-1121, TPO-3SQ, TPO-6SQ, TPO-QSA or TPO-QSALV50	-52.5
W-27.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	Min. 3-inch EnergyGuard Ultra	Note 2	1 per 1.0 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF, 4-inch o.c.	TPO-QSA or TPO-QSALV50	-82.5
W-28.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	Min. 3-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.0 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500, 4-inch o.c.	TPO-QSA or TPO-QSALV50	-82.5
W-29.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	Min. 3-inch EnergyGuard Ultra	Note 2	1 per 1.0 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF, 4-inch o.c.	TPO-1121	-120.0
W-30.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	Min. 3-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.0 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500, 4-inch o.c.	TPO-1121	-120.0
EVERGUARD TPO FLEECE-BACK MEMBRANE OR EVERGUARD TPO FLEECE-BACK MEMBRANE 100, 115 OR 135 APPLICATIONS:								
W-31.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	Min 2-inch EnergyGuard Polyiso Insulation	Note 2 (#14 Fastener only)	1 per 2.0 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5
W-32.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	Min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2	1 per 1.8 ft²	(Optional) Additional layers base insulation, flat or tapered	OB500	TPOFB-OB1 or TPOFB-OB2	-52.5
W-33.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	Min. 3-inch EnergyGuard Ultra	Note 2	1 per 1.0 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF, 4-inch o.c.	TPOFB-OB1	-120.0
W-34.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	Min. 3-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.0 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500, 4-inch o.c.	TPOFB-OB1	-120.0

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TABLE 1D: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (Note 15)		MDP (psf)
		Type	Fastener (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base	Cap	
W-35.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails	8-inch o.c. at min. 4-inch laps and 8-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or min. 1.5-inch EnergyGuard RA	hot asphalt	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or min. 0.4375-inch DEXcell Cement Roof Board	hot asphalt	SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0
W-36.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails	8-inch o.c. at min. 4-inch laps and 8-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or min. 1.5-inch EnergyGuard RA	hot asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	hot asphalt	SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0
W-37.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails	8-inch o.c. at min. 4-inch laps and 8-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or min. 1.5-inch EnergyGuard RA	hot asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-TA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0
W-38.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails	9-inch o.c. at min. 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or min. 1.5-inch EnergyGuard RA	hot asphalt	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or min. 0.4375-inch DEXcell Cement Roof Board	hot asphalt	SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0
W-39.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails	9-inch o.c. at min. 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or min. 1.5-inch EnergyGuard RA	hot asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	hot asphalt	SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0
W-40.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails	9-inch o.c. at min. 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or min. 1.5-inch EnergyGuard RA	hot asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-TA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0

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TABLE 1D: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (Note 15)		MDP (psf)
		Type	Fastener (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base	Cap	
W-41.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch diameter tin caps with 12 ga. annular ring shank nails	6-inch o.c. at the 4-inch lap and 6-inch o.c. in two staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or min. 1.5-inch EnergyGuard RA	hot asphalt	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or min. 0.4375-inch DEXcell Cement Roof Board	hot asphalt	SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5
W-42.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch diameter tin caps with 12 ga. annular ring shank nails	6-inch o.c. at the 4-inch lap and 6-inch o.c. in two staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or min. 1.5-inch EnergyGuard RA	hot asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	hot asphalt	SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5
W-43.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch diameter tin caps with 12 ga. annular ring shank nails	6-inch o.c. at the 4-inch lap and 6-inch o.c. in two staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or min. 1.5-inch EnergyGuard RA	hot asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-TA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5
W-44.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch diameter tin caps with 12 ga. annular ring shank nails	8-inch o.c. at the 4-inch lap and 8-inch o.c. in two staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or min. 1.5-inch EnergyGuard RA	hot asphalt	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or min. 0.4375-inch DEXcell Cement Roof Board	hot asphalt	SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5
W-45.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch diameter tin caps with 12 ga. annular ring shank nails	8-inch o.c. at the 4-inch lap and 8-inch o.c. in two staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or min. 1.5-inch EnergyGuard RA	hot asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	hot asphalt	SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5
W-46.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch diameter tin caps with 12 ga. annular ring shank nails	8-inch o.c. at the 4-inch lap and 8-inch o.c. in two staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or min. 1.5-inch EnergyGuard RA	hot asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-TA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5

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TABLE 1D: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (Note 15)		MDP (psf)
		Type	Fastener (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base	Cap	
W-47.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails	8-inch o.c. at the 4-inch lap and 8-inch o.c. in three staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or min. 1.5-inch EnergyGuard RA	hot asphalt	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or min. 0.4375-inch DEXcell Cement Roof Board	hot asphalt	SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-75.0*
W-48.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails	8-inch o.c. at the 4-inch lap and 8-inch o.c. in three staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or min. 1.5-inch EnergyGuard RA	hot asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	hot asphalt	SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-75.0
W-49.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails	8-inch o.c. at the 4-inch lap and 8-inch o.c. in three staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or min. 1.5-inch EnergyGuard RA	hot asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-TA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-75.0
W-50.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails	8-inch o.c. at min. 4-inch laps and 8-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	hot asphalt	(Optional) Additional layer(s) base insulation	hot asphalt	GAFGLAS Stratavent Perforated Venting Base Sheet, loose-laid, followed by SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0
W-51.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Eliminator Nailable Venting Base Sheet, Ruberoid 20 Smooth, Ruberoid Mop Smooth, Ruberoid Mop Smooth 1.5	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails	9-inch o.c. at the min. 4-inch lap and 9-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	hot asphalt	(Optional) Additional layer(s) base insulation	hot asphalt	GAFGLAS Stratavent Perforated Venting Base Sheet, loose-laid, followed by SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0
W-52.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	6-inch o.c. at min. 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	hot asphalt	(Optional) Additional layer(s) base insulation	hot asphalt	GAFGLAS Stratavent Perforated Venting Base Sheet, loose-laid, followed by SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5

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TABLE 1D: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER											
System No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (Note 15)		MDP (psf)
		Type	Fastener (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base	Cap	
W-53.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch diameter tin caps with 12 ga. annular ring shank nails	8-inch o.c. at the 4-inch lap and 8-inch o.c. in two staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	hot asphalt	(Optional) Additional layer(s) base insulation	hot asphalt	GAFGLAS Stratavent Perforated Venting Base Sheet, loose-laid, followed by SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5
W-54.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails	8-inch o.c. at the 4-inch lap and 8-inch o.c. in three staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	hot asphalt	(Optional) Additional layer(s) base insulation	hot asphalt	GAFGLAS Stratavent Perforated Venting Base Sheet, loose-laid, followed by SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-75.0*

TABLE 1E: WOOD DECKS – NEW CONSTRUCTION. REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER											
System No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (Note 15)		MDP (psf)
		Type	Fastener (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base	Cap	
W-55.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	16-inch o.c. at the min. 4-inch lap and 16-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or min. 1.5-inch EnergyGuard RA	hot asphalt	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or min. 0.4375-inch DEXcell Cement Roof Board	hot asphalt	SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5
W-56.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	16-inch o.c. at the min. 4-inch lap and 16-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or min. 1.5-inch EnergyGuard RA	hot asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	hot asphalt	SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5
W-57.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	16-inch o.c. at the min. 4-inch lap and 16-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or min. 1.5-inch EnergyGuard RA	hot asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-TA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5

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TABLE 1E: WOOD DECKS – NEW CONSTRUCTION. REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (Note 15)		MDP (psf)
		Type	Fastener (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base	Cap	
W-58.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	12-inch o.c. at the min. 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or min. 1.5-inch EnergyGuard RA	hot asphalt	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or min. 0.4375-inch DEXcell Cement Roof Board	hot asphalt	SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0
W-59.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	12-inch o.c. at the min. 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or min. 1.5-inch EnergyGuard RA	hot asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	hot asphalt	SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0
W-60.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	12-inch o.c. at the min. 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or min. 1.5-inch EnergyGuard RA	hot asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-TA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0
W-61.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	8-inch o.c. at the 4-inch lap and 8-inch o.c. in three staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or min. 1.5-inch EnergyGuard RA	hot asphalt	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or min. 0.4375-inch DEXcell Cement Roof Board	hot asphalt	SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-75.0*
W-62.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	8-inch o.c. at the 4-inch lap and 8-inch o.c. in three staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or min. 1.5-inch EnergyGuard RA	hot asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	hot asphalt	SBS-AA	TPOFB-HA1, TPOFB-OB1 or TPOFB-XF1	-82.5
W-63.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	8-inch o.c. at the 4-inch lap and 8-inch o.c. in three staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or min. 1.5-inch EnergyGuard RA	hot asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-TA	TPOFB-HA1, TPOFB-OB1 or TPOFB-XF1	-82.5

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TABLE 1E: WOOD DECKS – NEW CONSTRUCTION. REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER											
System No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (Note 15)		MDP (psf)
		Type	Fastener (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base	Cap	
W-64.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	16-inch o.c. at the min. 4-inch lap and 16-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	hot asphalt	(Optional) Additional layer(s) base insulation	hot asphalt	GAFGLAS Stratavent Perforated Venting Base Sheet, loose-laid, followed by SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5
W-65.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	12-inch o.c. at the min. 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	hot asphalt	(Optional) Additional layer(s) base insulation	hot asphalt	GAFGLAS Stratavent Perforated Venting Base Sheet, loose-laid, followed by SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0
W-66.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	8-inch o.c. at the 4-inch lap and 8-inch o.c. in three staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	hot asphalt	(Optional) Additional layer(s) base insulation	hot asphalt	GAFGLAS Stratavent Perforated Venting Base Sheet, loose-laid, followed by SBS-AA	TPOFB-HA1, TPOFB-OB1 or TPOFB-XF1	-82.5*

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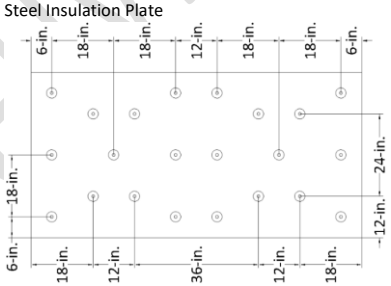
TABLE 1F: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fastener (Note 11)	Attach (Note 17)	Base	Cap	
EVERGUARD SA TPO:								
W-67.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 1.45 ft²	None	TPO-SA	-52.5
W-68.	Min. 15/32-inch plywood; 2 ft span over nominal No. 2 wood trusses; 2 ft span	None	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board	Drill-Tec #12 Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat)	1 per 1.8 ft²	None	TPO-SA	-52.5
W-69.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft²	None	TPO-SA	-60.0
W-70.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate or Drill-Tec 3" DF Steel Insulation Plate 	1 per 1.45 ft²	None	TPO-SA	-67.5
EVERGUARD TPO:								
W-71.	Min. 15/32-inch plywood; 2 ft span over nominal No. 2 wood trusses; 2 ft span	None	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board	Drill-Tec #14 Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat)	1 per 4.0 ft²	None	TPO-1121, TPO-3SQ, TPO-QSA or TPO-QSALV50	-30.0*
W-72.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2 (#14 Fastener only)	1 per 2.7 ft²	None	TPO-1121, TPO-3SQ, TPO-6SQ, TPO-QSA or TPO-QSALV50	-37.5*
W-73.	Min. 15/32-inch plywood; 2 ft span over nominal No. 2 wood trusses; 2 ft span	None	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board	Drill-Tec #14 Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat)	1 per 3.2 ft²	None	TPO-1121, TPO-3SQ, TPO-QSA or TPO-QSALV50	-37.5*

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TABLE 1F: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fastener (Note 11)	Attach (Note 17)	Base	Cap	
W-74.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2 (#14 Fastener only)	1 per 2.7 ft²	None	TPO-1121, TPO-3SQ, TPO-6SQ, TPO-QSA or TPO-QSALV50	-45.0*
W-75.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2 (#14 Fastener only)	1 per 2.7 ft²	None	TPO-1121, TPO-3SQ, TPO-6SQ, TPO-QSA or TPO-QSALV50	-45.0*
W-76.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate or Drill-Tec AccuTrac Flat Plate, Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate	1 per 2.7 ft²	None	TPO-1121, TPO-QSA or TPO-QSALV50	-45.0*
W-77.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2 (#14 Fastener only)	1 per 2.0 ft²	None	TPO-1121, TPO-3SQ, TPO-6SQ, TPO-QSA, TPO-QSALV50 or TPO-WB	-45.0*
W-78.	APA rated, 19/32 CAT, 0.578 in., Exposure 1 OSB; 2 ft span	(Optional) One or more layers, any combination	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2 (#14 Fastener only)	1 per 2.0 ft²	None	TPO-1121, TPO-3SQ, TPO-6SQ, TPO-QSA, TPO-QSALV50 or TPO-WB	-45.0*
W-79.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	One or more layers, any combination, min. 1-inch	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" Flat Steel Plate or Drill-Tec ASAP 3S	1 per 2.0 ft²	None	TPO-1121, TPO-3SQ, TPO-6SQ, TPO-QSA or TPO-QSALV50	-45.0*
W-80.	Min. 15/32-inch plywood; 2 ft span over nominal No. 2 wood trusses; 2 ft span	None	Min. 1.5-inch EnergyGuard Polyiso Insulation	Drill-Tec #14 Fastener with Drill-Tec 3" Recessed Steel Plate	1 per 4.0 ft²	None	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-QSALV50	-45.0*
W-81.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 1.8 ft²	None	TPO-1121, TPO-3SQ, TPO-6SQ, TPO-QSA or TPO-QSALV50	-52.5
W-82.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Note 2 (Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate or Drill-Tec AccuTrac Flat Plate only)	1 per 1.8 ft²	None	TPO-1121, TPO-3SQ, TPO-QSA or TPO-QSALV50	-52.5
W-83.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2	1 per 1.8 ft²	None	TPO-1121, TPO-3SQ, TPO-6SQ, TPO-QSA or TPO-QSALV50	-52.5

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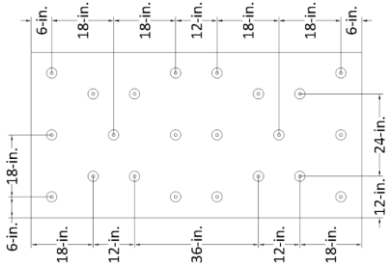
TABLE 1F: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fastener (Note 11)	Attach (Note 17)	Base	Cap	
W-84.	Min. 15/32-inch plywood; 2 ft span over nominal No. 2 wood trusses; 2 ft span	None	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board	Drill-Tec #12 Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat)	1 per 1.8 ft²	None	TPO-1121, TPO-3SQ, TPO-QSA or TPO-QSALV50	-52.5
W-85.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft²	None	TPO-1121, TPO-3SQ, TPO-6SQ, TPO-QSA or TPO-QSALV50	-60.0
W-86.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 1.6 ft²	None	TPO-1121, TPO-3SQ, TPO-6SQ, TPO-QSA or TPO-QSALV50	-60.0
W-87.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	One or more layers, any combination, min. 1-inch	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" Flat Steel Plate or Drill-Tec ASAP 3S	1 per 1.45 ft²	None	TPO-1121, TPO-3SQ, TPO-6SQ, TPO-QSA or TPO-QSALV50	-60.0
W-88.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2 (#14 Fastener only)	1 per 1.3 ft²	None	TPO-1121, TPO-3SQ, TPO-6SQ, TPO-QSA or TPO-QSALV50	-60.0
W-89.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate or Drill-Tec 3" DF Steel Insulation Plate 	1 per 1.45 ft²	None	TPO-1121, TPO-3SQ, TPO-QSA, TPO-QSALV50 or TPO-WB	-67.5
EVERGUARD TPO FLEECE-BACK MEMBRANE OR EVERGUARD TPO FLEECE-BACK MEMBRANE 100, 115 OR 135:								
W-90.	Min. 15/32-inch plywood; 2 ft span over nominal No. 2 wood trusses; 2 ft span	None	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board	Drill-Tec #14 Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat)	1 per 4.0 ft²	None	TPOFB-LMC1, TPOFB-OB1 or TPOFB-WB1	-30.0*

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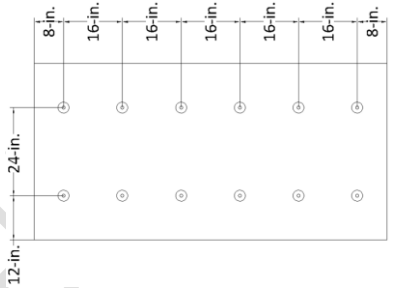
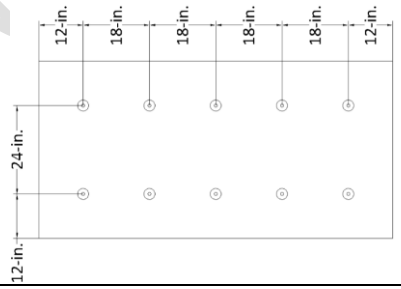
TABLE 1F: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fastener (Note 11)	Attach (Note 17)	Base	Cap	
W-91.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2 (#14 Fastener only)	1 per 2.7 ft²	None	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-37.5*
W-92.	Min. 15/32-inch plywood; 2 ft span over nominal No. 2 wood trusses; 2 ft span	None	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board	Drill-Tec #14 Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat)	1 per 3.2 ft²	None	TPOFB-LMC1, TPOFB-OB1 or TPOFB-WB1	-37.5*
W-93.	Min. 15/32-inch plywood; 2 ft span	None	Min. 1.5-inch EnergyGuard Barrier Polyiso Insulation	Drill-Tec #14 with Drill-Tec 3" Flat Steel Plate 	1 per 2.7 ft²	None	TPOFB-XF1 or TPOFB-XF2	-45.0*
W-94.	Min. 19/32-inch plywood; 2 ft span	None	Min. 1.5-inch EnergyGuard Barrier Polyiso Insulation	Drill-Tec #14 with Drill-Tec 3" Flat Steel Plate 	1 per 3.2 ft²	None	TPOFB-XF1 or TPOFB-XF2	-45.0*

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TABLE 1F: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

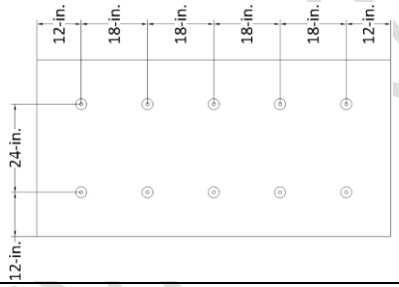
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fastener (Note 11)	Attach (Note 17)	Base	Cap	
W-95.	Min. 19/32-inch plywood; 2 ft span	One or more layers, any combination, min. 1.5-inch	Min. 0.4375-inch DEXcell Cement Roof Board	Drill-Tec #14 Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill Tec 3" DF Steel Insulation Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate or Drill-Tec AccuTrac Flat Plate 	1 per 3.2 ft²	None	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
W-96.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2 (#14 Fastener only)	1 per 2.7 ft²	None	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
W-97.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2 (#14 Fastener only)	1 per 2.7 ft²	None	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
W-98.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	One or more layers, any combination, min. 1.5-inch	Min. 0.4375-inch DEXcell Cement Roof Board	Drill-Tec #14 Fastener, Drill Tec #14 DF Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill Tec 3" DF Steel Insulation Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate or Drill-Tec AccuTrac Flat Plate	1 per 2.7 ft²	None	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
W-99.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2 (#14 Fastener only)	1 per 2.0 ft²	None	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
W-100.	APA rated, 19/32 CAT, 0.578 in., Exposure 1 OSB; 2 ft span	(Optional) One or more layers, any combination	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2 (#14 Fastener only)	1 per 2.0 ft²	None	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
W-101.	APA rated, 19/32 CAT, 0.578 in., Exposure 1 OSB; 2 ft span	One or more layers, any combination, min. 1.5-inch	Min. 0.4375-inch DEXcell Cement Roof Board	Drill-Tec #14 Fastener, Drill Tec #14 DF Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill Tec 3" DF Steel Insulation Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate or Drill-Tec AccuTrac Flat Plate	1 per 2.0 ft²	None	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*

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TABLE 1F: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fastener (Note 11)	Attach (Note 17)	Base	Cap	
W-102.	Min. 15/32-inch plywood; 2 ft span over nominal No. 2 wood trusses; 2 ft span	None	Min. 1.5-inch EnergyGuard Polyiso Insulation	Drill-Tec #14 Fastener with Drill-Tec 3" Recessed Steel Plate	1 per 4.0 ft²	None	TPOFB-LMC1, TPOFB-OB1 or TPOFB-XF1	-45.0*
W-103.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 1.8 ft²	None	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5
W-104.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2	1 per 1.8 ft²	None	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5
W-105.	Min. 15/32-inch plywood; 2 ft span	None	Min. 1.5-inch EnergyGuard Barrier Polyiso Insulation	Drill-Tec #14 Fastener with Drill-Tec 3" Flat Steel Plate	1 per 2.0 ft²	None	TPOFB-XF1 or TPOFB-XF2	-52.5
W-106.	Min. 15/32-inch plywood; 2 ft span	One or more layers, any combination, min. 1.5-inch	Min. 0.4375-inch DEXcell Cement Roof Board	Drill-Tec #14 Fastener, Drill Tec #14 DF Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill Tec 3" DF Steel Insulation Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate or Drill-Tec AccuTrac Flat Plate	1 per 2.0 ft²	None	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5
W-107.	Min. 15/32-inch plywood; 2 ft span over nominal No. 2 wood trusses; 2 ft span	None	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board	Drill-Tec #12 Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat)	1 per 1.8 ft²	None	TPOFB-LMC1, TPOFB-OB1, TPOFB-WB1 or TPOFB-XF1	-52.5
W-108.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft²	None	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0
W-109.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	One or more layers, any combination, min. 1.5-inch	Min. 0.4375-inch DEXcell Cement Roof Board	Drill-Tec #14 Fastener, Drill Tec #14 DF Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill Tec 3" DF Steel Insulation Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate or Drill-Tec AccuTrac Flat Plate	1 per 1.8 ft²	None	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0
W-110.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 1.6 ft²	None	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0
W-111.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #14 or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate	1 per 1.8 ft²	SBS-AA or SBS-TA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0
W-112.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2 (#14 Fastener only)	1 per 1.3 ft²	None	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0

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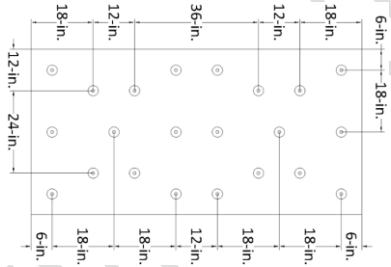
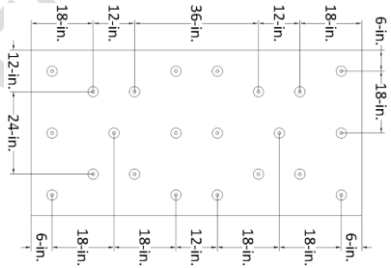
TABLE 1F: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fastener (Note 11)	Attach (Note 17)	Base	Cap	
W-113.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate or Drill-Tec 3" DF Steel Insulation Plate 	1 per 1.45 ft²	None	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-67.5
W-114.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	One or more layers, any combination, min. 1.5-inch	Min. 0.4375-inch DEXcell Cement Roof Board	Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill Tec 3" DF Steel Insulation Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate or Drill-Tec AccuTrac Flat Plate 	1 per 1.45 ft²	None	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-67.5
W-115.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 with Drill-Tec AccuTrac Flat Plate	1 per 1.3 ft²	None	TPOFB-HA1	-82.5
W-116.	Min. 15/32-inch plywood; 2 ft span	None	Min. 1.5-inch EnergyGuard Barrier Polyiso Insulation	Drill-Tec #14 Fastener with Drill-Tec 3" Flat Steel Plate	1 per 1.23 ft²	None	TPOFB-XF1 or TPOFB-XF2	-82.5
W-117.	Min. 15/32-inch plywood; 2 ft span	One or more layers, any combination, min. 1.5-inch	Min. 0.4375-inch DEXcell Cement Roof Board	Drill-Tec #14 Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill Tec 3" DF Steel Insulation Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate or Drill-Tec AccuTrac Flat Plate	1 per 1.23 ft²	None	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-82.5

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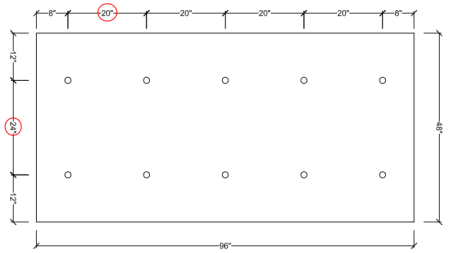
TABLE 1G: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER						
System No.	Deck (Note 1)	Insulation (Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Spacing		
W-118.	Min. 15/32-inch APA rated OSB or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	24 x 28-inch grid	EverGuard TPO induction welded	-22.5
W-119.	Min. 15/32-inch APA rated, CDX plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec #14 Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	24 x 28-inch grid	EverGuard TPO induction welded	-22.5
W-120.	Min. 23/32-inch APA rated OSB or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	8 parts per 4x8 ft board 24 x 24-inch grid (Note 17)	EverGuard TPO induction welded	-30.0
W-121.	Min. 19/32-inch APA rated, CDX plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec #14 Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	8 parts per 4x8 ft board 24 x 24-inch grid (Note 17)	EverGuard TPO induction welded	-30.0
W-122.	Min. 19/32-inch OSB; 2 ft span	One or more layers, any combination, prelim. attach (Note 17)	Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	1 per 2.7 ft² (12 parts per 4 x 8 ft board) Fasteners are 8-, 24- and 40-inches from the board's long edge and 12-, 36-, 60- and 84-inches from the board's short edge.	EverGuard TPO induction welded	-30.0
W-123.	Code compliant sheathing over nominal No. 2 wood trusses spaced max. 24-inch o.c.	One or more layers, any combination, prelim. attach (Note 17)	Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener or Drill-Tec #14 HD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec #14 Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	12 x 96-inch o.c. (min. 1-inch embedment into wood structural members)	EverGuard TPO induction welded	-30.0
W-124.	Code compliant sheathing over nominal No. 2 wood trusses spaced max. 24-inch o.c.	One or more layers, any combination	Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener or Drill-Tec #14 HD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec #14 Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	24 x 48-inch o.c. (min. 1-inch embedment into wood structural members)	EverGuard TPO induction welded	-37.5
W-125.	Min. 23/32-inch APA rated OSB or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	10 parts per 4x8 ft board 	EverGuard TPO induction welded	-37.5

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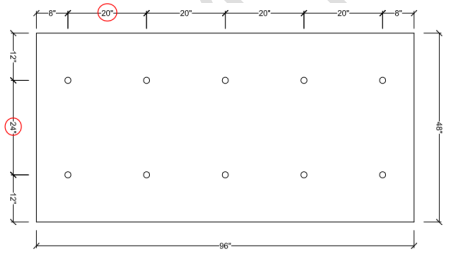
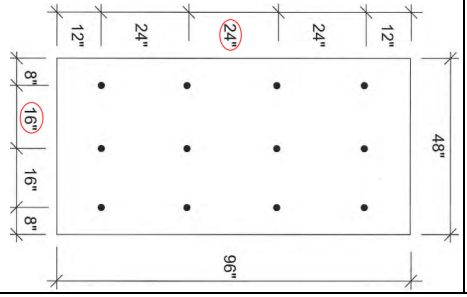
TABLE 1G: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER						
System No.	Deck (Note 1)	Insulation (Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Spacing		
W-126.	Min. 15/32-inch APA rated, CDX plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec #14 Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	10 parts per 4x8 ft board 	EverGuard TPO induction welded	-37.5
W-127.	Min. 15/32-inch APA rated OSB or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	18 x 24-inch grid	EverGuard TPO induction welded	-37.5
W-128.	Min. 15/32-inch APA rated, CDX plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec #14 Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	18 x 24-inch grid	EverGuard TPO induction welded	-37.5
W-129.	Min. 19/32-inch APA rated OSB or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	12 parts per 4x8 ft board 16 x 24-inch grid 	EverGuard TPO induction welded	-45.0

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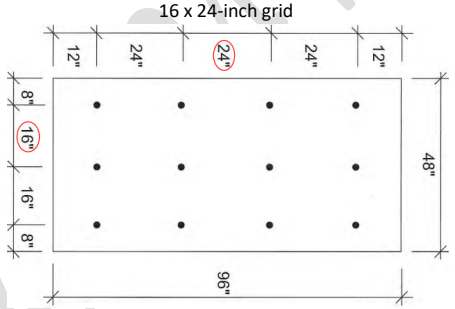
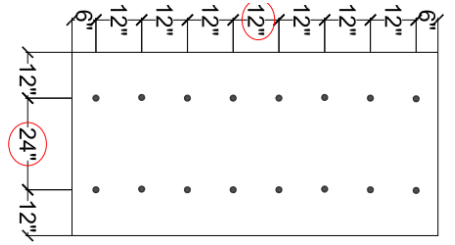
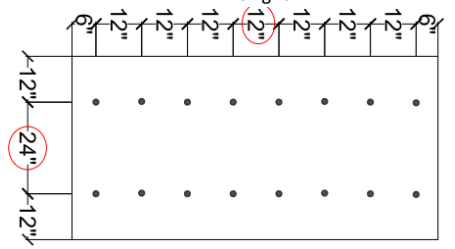
TABLE 1G: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER						
System No.	Deck (Note 1)	Insulation (Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Spacing		
W-130.	Min. 15/32-inch APA rated, CDX plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec #14 Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	12 parts per 4x8 ft board 16 x 24-inch grid 	EverGuard TPO induction welded	-45.0
W-131.	Min. 19/32-inch APA rated OSB or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	16 parts per 4x8 ft board 12 x 24-inch grid 	EverGuard TPO induction welded	-45.0
W-132.	Min. 15/32-inch APA rated, CDX plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec #14 Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	16 parts per 4x8 ft board 12 x 24-inch grid 	EverGuard TPO induction welded	-45.0

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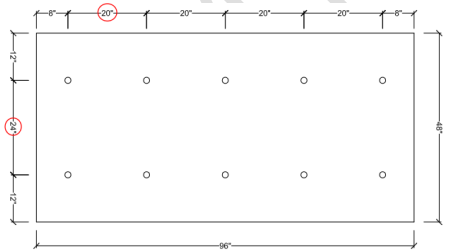
TABLE 1G: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER						
System No.	Deck (Note 1)	Insulation (Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Spacing		
W-133.	Min. 19/32-inch APA rated, CDX plywood or 1-inch wood plank; 2 ft span	One or more layers, any combination, min. 1-inch	Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec #14 Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	10 parts per 4x8 ft board 	EverGuard TPO induction welded	-45.0
W-134.	Code compliant sheathing over nominal No. 2 wood trusses spaced max. 24-inch o.c.	(Optional) One or more layers, any combination	Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener or Drill-Tec #14 HD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate	9 x 96-inch o.c. (min. 1.5-inch embedment into wood structural members)	EverGuard TPO, min 60-mil, induction welded	-45.0
W-135.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	One or more layers, any combination	Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener or Drill-Tec #14 HD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec #14 Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	1 per 2.7 ft² (12 parts per 4 x 8 ft board) (Note 17)	EverGuard TPO induction welded	-52.5
W-136.	Min. 23/32-inch APA rated OSB or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	14 parts per 4x8 ft board	EverGuard TPO induction welded	-52.5
W-137.	Min. 19/32-inch APA rated, CDX plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec #14 Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	14 parts per 4x8 ft board	EverGuard TPO induction welded	-52.5

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TABLE 1G: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER						
System No.	Deck (Note 1)	Insulation (Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Spacing		
W-138.	Code compliant sheathing over nominal No. 2 wood trusses spaced max. 24-inch o.c.	(Optional) One or more layers, any combination	Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener or Drill-Tec #14 HD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec #14 Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	36 x 24-inch o.c. (min. 1-inch embedment into wood structural members)	EverGuard TPO induction welded	-52.5
W-139.	Min. 15/32-inch APA rated plywood; 2 ft span	(Optional) One or more layers, any combination	Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	24 x 32-inch grid (6 parts per 4x8 ft board)	EverGuard TPO induction welded	-60.0
W-140.	Code compliant sheathing over nominal No. 2 wood trusses spaced max. 24-inch o.c.	(Optional) One or more layers, any combination	Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener or Drill-Tec #14 HD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate	6 x 96-inch o.c. (min. 1.5-inch embedment into wood structural members)	EverGuard TPO, min. 60-mil, induction welded	-67.5
W-141.	Code compliant sheathing over nominal No. 2 wood trusses spaced max. 24-inch o.c.	(Optional) One or more layers, any combination	Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener or Drill-Tec #14 HD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec #14 Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	24 x 24-inch o.c. (min. 1-inch embedment into wood structural members)	EverGuard TPO induction welded	-75.0
W-142.	Code compliant sheathing over nominal No. 2 wood trusses spaced max. 24-inch o.c.	(Optional) One or more layers, any combination	Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener or Drill-Tec #14 HD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec #14 Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	18 x 24-inch o.c. (min. 1-inch embedment into wood structural members)	EverGuard TPO induction welded	-82.5
W-143.	Code compliant sheathing over nominal No. 2 wood trusses spaced max. 24-inch o.c.	(Optional) One or more layers, any combination	Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener or Drill-Tec #14 HD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec #14 Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	9 x 24-inch o.c. (min. 1-inch embedment into wood structural members)	EverGuard TPO induction welded	-90.0
W-144.	Code compliant sheathing over nominal No. 2 wood trusses spaced max. 24-inch o.c.	One or more layers, any combination, min. 1-inch	Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener or Drill-Tec #14 HD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec #14 Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	9 x 24-inch o.c. (min. 1-inch embedment into wood structural members)	EverGuard TPO induction welded	-105.0

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TABLE 1H: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER								
System No.	Deck (Note 1)	Insulation (Note 13)		Separator Sheet (Optional)	Roof Cover			MDP (psf)
		Type	Attach (Note 17)		Membrane	Fastener (Note 11)	Attachment	
W-145.	Min. 15/32-inch APA rated OSB sheathing or APA rated CDX plywood; 2 ft span	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener, Drill-Tec #15 EHD Fastener (plywood only) or Drill-Tec #15 DF Fastener with Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2-3/8 in. Barbed XHD Plate or Drill-Tec 2-3/8 in. Double Barbed XHD Plate	9-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-15.0
W-146.	Min. 15/32-inch APA rated OSB sheathing or APA rated CDX plywood; 2 ft span	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener, Drill-Tec #15 EHD Fastener (plywood only) or Drill-Tec #15 DF Fastener with Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2-3/8 in. Barbed XHD Plate or Drill-Tec 2-3/8 in. Double Barbed XHD Plate	6-inch o.c. within 6-inch wide laps spaced 90-inch o.c. and sealed with a 1.5-inch heat weld.	-22.5
W-147.	Min. 15/32-inch APA rated OSB or APA rated CDX plywood or 1-inch wood plank; 2 ft span	One or more layers, any combination	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate, Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-30.0
W-148.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	One or more layers, any combination	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec #14 Fastener with Drill-Tec 2 in. Double Barbed XHD Plate	6-inch o.c. within 5.5-inch wide laps spaced 114.5-inch o.c. and sealed with a 1.75-inch heat weld.	-45.0
W-149.	APA rated, 19/32 CAT, 0.578 in., Exposure 1 OSB	One or more layers, any combination	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate	6-inch o.c. within 6-inch wide laps spaced 54-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0
W-150.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	One or more layers, any combination	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec #14 Fastener with Drill-Tec 2 in. Double Barbed XHD Plate	6-inch o.c. within 5-inch wide laps spaced 55-inch o.c. and sealed with a 1.75-inch heat weld.	-52.5
W-151.	Min. 15/32-inch plywood, min. 19/32-inch OSB or 1-inch wood plank over No. 2 wood trusses; 2 ft span	One or more layers, any combination	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec #14 Fastener with Drill-Tec 2 in. Double Barbed XHD Plate fastened through deck to engage wood joists, minimum 1-inch embedment into joist	12-inch o.c. within 6-inch wide laps spaced 48-inch o.c. (over wood joists) and sealed with a 1.5-inch heat weld.	-52.5
W-152.	Min. 15/32-inch plywood, min. 19/32-inch OSB or 1-inch wood plank over No. 2 wood trusses; 2 ft span	One or more layers, any combination	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec #14 Fastener with Drill-Tec 2 in. Double Barbed XHD Plate fastened through deck to engage wood joists, minimum 1.5-inch embedment into joist	6-inch o.c. within 6-inch wide laps spaced 48-inch o.c. (over wood joists) and sealed with a 1.5-inch heat weld.	-67.5
W-153.	Min. 15/32-inch plywood, min. 19/32-inch OSB or 1-inch wood plank over No. 2 wood trusses; 2 ft span	One or more layers, any combination	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec #14 Fastener with Drill-Tec 2-3/4 in. Barbed SXHD Plate fastened through deck to engage wood joists, minimum 1-inch embedment into joist	12-inch o.c. within 6-inch wide laps spaced 48-inch o.c. (over wood joists) and sealed with a 1.5-inch heat weld.	-67.5

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TABLE 1I: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE E-1: NON-INSULATED, MECHANICALLY ATTACHED ROOF COVER						
System No.	Deck (Note 1)	Separator Sheet (Optional)	Roof Cover			MDP (psf)
			Membrane	Fastener (Note 11)	Attachment	
W-154.	Min. 15/32-inch APA rated OSB or APA rated CDX plywood or 1-inch wood plank; 2 ft span	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate, Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-30.0
W-155.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec #14 Fastener with Drill-Tec 2 in. Double Barbed XHD Plate	6-inch o.c. within 5.5-inch wide laps spaced 114.5-inch o.c. and sealed with a 1.75-inch heat weld.	-45.0
W-156.	APA rated, 19/32 CAT, 0.578 in., Exposure 1 OSB	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate or Drill-Tec 2-3/8 in. Double Barbed XHD Plate	6-inch o.c. within 6-inch wide laps spaced 54-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0
W-157.	Min. 15/32-inch APA rated plywood; 2 ft span	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate	6-inch o.c. within 6-inch wide laps spaced 54-inch o.c. and sealed with a 1.5-inch heat weld.	-52.5
W-158.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec #14 Fastener with Drill-Tec 2 in. Double Barbed XHD Plate	6-inch o.c. within 5-inch wide laps spaced 55-inch o.c. and sealed with a 1.75-inch heat weld.	-52.5
W-159.	Min. 15/32-inch plywood, min. 19/32-inch OSB or 1-inch wood plank over No. 2 wood trusses; 2 ft span	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec #14 Fastener with Drill-Tec 2 in. Double Barbed XHD Plate fastened through deck to engage wood joists, minimum 1-inch embedment into joist	12-inch o.c. within 6-inch wide laps spaced 48-inch o.c. (over wood joists) and sealed with a 1.5-inch heat weld.	-60.0
W-160.	Min. 15/32-inch plywood, min. 19/32-inch OSB or 1-inch wood plank over No. 2 wood trusses; 2 ft span	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec #14 Fastener with Drill-Tec 2 in. Double Barbed XHD Plate fastened through deck to engage wood joists, minimum 1.5-inch embedment into joist	6-inch o.c. within 6-inch wide laps spaced 48-inch o.c. (over wood joists) and sealed with a 1.5-inch heat weld.	-67.5
W-161.	Min. 15/32-inch plywood, min. 19/32-inch OSB or 1-inch wood plank over No. 2 wood trusses; 2 ft span	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec #14 Fastener with Drill-Tec 2-3/4 in. Barbed SXHD Plate fastened through deck to engage wood joists, minimum 1-inch embedment into joist	12-inch o.c. within 6-inch wide laps spaced 48-inch o.c. (over wood joists) and sealed with a 1.5-inch heat weld.	-75.0

TABLE 1J: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Base	Fastener (Note 11)	Attach	Base	Cap	
W-162.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails (new or reroof only; no recover)	8-inch o.c. at min. 4-inch laps and 8-inch o.c. in two, equally spaced, staggered center rows	(Optional) SBS-AA or SBS-TA	TPOFB-HA1 or TPOFB-HA2	-45.0
W-163.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails (new or reroof only; no recover)	9-inch o.c. at min. 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	(Optional) SBS-AA or SBS-TA	TPOFB-HA1 or TPOFB-HA2	-45.0
W-164.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails (new or reroof only; no recover)	6-inch o.c. at min. 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	(Optional) SBS-AA or SBS-TA	TPOFB-HA1 or TPOFB-HA2	-52.5
W-165.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	16-inch o.c. at 4-inch laps and 16-inch o.c. in two, equally spaced, staggered center rows	(Optional) SBS-AA or SBS-TA	TPOFB-HA1 or TPOFB-HA2	-52.5

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TABLE 1J: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Base	Fastener (Note 11)	Attach	Base	Cap	
W-166.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	12-inch o.c. at 4-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	(Optional) SBS-AA or SBS-TA	TPOFB-HA1 or TPOFB-HA2	-60.0
W-167.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails (new or reroof only; no recover)	8-inch o.c. at the 4-inch lap and 8-inch o.c. in three staggered center rows	(Optional) SBS-AA or SBS-TA	TPOFB-HA1 or TPOFB-HA2	-75.0
W-168.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails (new or reroof only; no recover)	4-inch o.c. at min. 2-inch laps and 4-inch o.c. at four (4), equally spaced, staggered center rows	SBS-AA or SBS-TA	TPOFB-HA1 or TPOFB-HA2	-97.5
W-169.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	8-inch o.c. at 4-inch laps and 8-inch o.c. in three, equally spaced, staggered center rows	(Optional) SBS-AA or SBS-TA	TPOFB-HA1 or TPOFB-HA2	-97.5
W-170.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails (new or reroof only; no recover)	8-inch o.c. at min. 4-inch laps and 8-inch o.c. in two, equally spaced, staggered center rows	SBS-AA or SBS-TA	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0
W-171.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails (new or reroof only; no recover)	9-inch o.c. at min. 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	SBS-AA or SBS-TA	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0
W-172.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails (new or reroof only; no recover)	6-inch o.c. at min. 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	SBS-AA or SBS-TA	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5
W-173.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	16-inch o.c. at 4-inch laps and 16-inch o.c. in two, equally spaced, staggered center rows	SBS-AA or SBS-TA	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5
W-174.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	12-inch o.c. at 4-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	SBS-AA or SBS-TA	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0
W-175.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails (new or reroof only; no recover)	8-inch o.c. at the 4-inch lap and 8-inch o.c. in three staggered center rows	SBS-AA or SBS-TA	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-75.0
W-176.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails (new or reroof only; no recover)	4-inch o.c. at min. 2-inch laps and 4-inch o.c. at four (4), equally spaced, staggered center rows	SBS-AA or SBS-TA	TPOFB-XF1 or TPOFB-XF2	-97.5
W-177.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	8-inch o.c. at 4-inch laps and 8-inch o.c. in three, equally spaced, staggered center rows	SBS-AA or SBS-TA	TPOFB-XF1 or TPOFB-XF2	-97.5

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TABLE 2A: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
EVERGUARD SA TPO:							
S-1.	Min. 22 ga., Type B, 38 ksi yield strength steel	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 12-inch o.c. (atop every-other deck flange)	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M, LRF-XF or OB500, 6-inch o.c.	TPO-SA	-75.0
S-2.	Min. 22 ga., Type B, 38 ksi yield strength steel	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 12-inch o.c. (atop every-other deck flange)	(Optional) Additional layer(s) EnergyGuard Polyiso Insulation	LRF-M, LRF-XF or OB500	TPO-SA	-97.5
S-3.	Min. 22 ga., Type B, 38 ksi yield strength steel	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 12-inch o.c. (atop every-other deck flange)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	TPO-SA	-97.5
S-4.	Min. 22 ga., type B, 59 ksi yield strength steel	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 6-inch o.c. (atop every deck flange)	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500, 6-inch o.c.	TPO-SA	-150.0
S-5.	Min. 22 ga., type B, 59 ksi yield strength steel	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 6-inch o.c. (atop every deck flange)	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M, LRF-XF or OB500, 4-inch o.c.	TPO-SA	-150.0
EVERGUARD TPO:							
S-6.	Min. 22 ga., Type B, 38 ksi yield strength steel	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 12-inch o.c. (atop every-other deck flange)	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M, LRF-XF or OB500, 6-inch o.c.	TPO-1121, TPO-3SQ, TPO-6SQ, TPO-QSA, TPO-QSALV50 or TPO-WB	-75.0
S-7.	Min. 22 ga., Type B, Grade 40 steel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M or OB500, 6" o.c. (atop every deck flange)	None	N/A	TPO-QSA or TPO-QSALV50	-82.5
S-8.	Min. 22 ga., Type B, 38 ksi yield strength steel	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 12-inch o.c. (atop every-other deck flange)	(Optional) Additional layer(s) EnergyGuard Polyiso Insulation	LRF-M, LRF-XF or OB500	TPO-1121, TPO-3SQ, TPO-QSA, TPO-QSALV50 or TPO-WB	-97.5
S-9.	Min. 22 ga., Type B, 38 ksi yield strength steel	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 12-inch o.c. (atop every-other deck flange)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	TPO-1121, TPO-3SQ, TPO-QSA, TPO-QSALV50 or TPO-WB	-97.5
S-10.	Min. 22 ga., type B, Grade 40 steel	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 6-inch o.c. (atop every deck flange)	(Optional) Additional layer(s) EnergyGuard Polyiso Insulation	LRF-M, LRF-XF or OB500, 6-inch o.c.	TPO-1121 or TPO-3SQ	-112.5
S-11.	Min. 22 ga., Type B, Grade 40 steel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M or OB500, 6" o.c. (atop every deck flange)	None	N/A	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-120.0

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TABLE 2A: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
S-12.	Min. 22 ga., type B, 59 ksi yield strength steel	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 6-inch o.c. (atop every deck flange)	Min. 0.25-inch DensDeck Prime	LRF-M, LRF-XF or OB500, 6-inch o.c.	TPO-1121, TPO-3SQ, TPO-QSA, TPO-QSALV50 or TPO-WB	-150.0
S-13.	Min. 22 ga., type B, 59 ksi yield strength steel	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 6-inch o.c. (atop every deck flange)	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M, LRF-XF or OB500, 6-inch o.c.	TPO-1121 or TPO-QSA	-150.0
S-14.	Min. 22 ga., type B, 59 ksi yield strength steel	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 6-inch o.c. (atop every deck flange)	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500, 6-inch o.c.	TPO-1121, TPO-3SQ, TPO-QSALV50 or TPO-WB	-150.0
S-15.	Min. 22 ga., type B, 59 ksi yield strength steel	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 6-inch o.c. (atop every deck flange)	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M, LRF-XF or OB500, 4-inch o.c.	TPO-1121, TPO-3SQ, TPO-6SQ, TPO-QSA, TPO-QSALV50 or TPO-WB	-150.0
EVERGUARD TPO FLEECE-BACK MEMBRANE:							
S-16.	Min. 22 ga., Type B, 38 ksi yield strength steel	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 12-inch o.c. (atop every-other deck flange)	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M, LRF-XF or OB500, 6-inch o.c.	TPOFB-LM1 (spatter), TPOFB-LM2 (spatter), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1, TPOFB-XF2, TPOFB-WB1 or TPOFB-WB2	-75.0
S-17.	Min. 22 ga., Type B, 38 ksi yield strength steel	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 12-inch o.c. (atop every-other deck flange)	(Optional) Additional layer(s) base insulation	LRF-M, LRF-XF or OB500	TPOFB-LM1 (spatter), TPOFB-LM2 (spatter), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1, TPOFB-XF2 or TPOFB-WB	-97.5
S-18.	Min. 22 ga., Type B, 38 ksi yield strength steel	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 12-inch o.c. (atop every-other deck flange)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	TPOFB-LM1 (spatter), TPOFB-LM2 (spatter), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1, TPOFB-XF2 or TPOFB-WB	-97.5
S-19.	Min. 22 ga., type B, Grade 40 steel	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 6-inch o.c. (atop every deck flange)	(Optional) Additional layer(s) base insulation	LRF-M, LRF-XF or OB500, 6-inch o.c.	TPOFB-XF1, TPOFB-XF2	-112.5
S-20.	Min. 22 ga., Type B, Grade 40 steel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M or OB500, 6" o.c. (atop every deck flange)	None	N/A	TPOFB-OB1 or TPOFB-XF1	-120.0
S-21.	Min. 22 ga., type B, 59 ksi yield strength steel	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 6-inch o.c. (atop every deck flange)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500, 6-inch o.c.	TPOFB-LM1 (spatter), TPOFB-LM2 (spatter), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-150.0

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TABLE 2A: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
S-22.	Min. 22 ga., type B, 59 ksi yield strength steel	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 6-inch o.c. (atop every deck flange)	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M, LRF-XF or OB500, 4-inch o.c.	TPOFB-LM1 (spatter), TPOFB-LM2 (spatter), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1, TPOFB-XF2, TPOFB-WB1 or TPOFB-WB2	-150.0

TABLE 2B: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-2: BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Vapor Barrier	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
EVERGUARD SA TPO:								
S-23.	Min. 22 ga., type B, 38 ksi yield strength steel	GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 12-inch o.c. (atop every-other deck flange)	(Optional) Additional layer(s) EnergyGuard Polyiso Insulation	LRF-M, LRF-XF or OB500	TPO-SA	-97.5
S-24.	Min. 22 ga., type B, 38 ksi yield strength steel	GAF SA Vapor Retarder XL	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 12-inch o.c. (atop every-other deck flange)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M, LRF-XF or OB500	TPO-SA	-97.5
S-25.	Min. 22 ga., Type B, Grade 50 steel	GAF SA Vapor Retarder XL	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 6-inch o.c. (atop every deck flange)	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M, LRF-XF or OB500, 6-inch o.c.	TPO-SA	-127.5
EVERGUARD TPO:								
S-26.	Min. 22 ga., type B, 38 ksi yield strength steel	GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 12-inch o.c. (atop every-other deck flange)	(Optional) Additional layer(s) EnergyGuard Polyiso Insulation	LRF-M, LRF-XF or OB500	TPO-1121, TPO-3SQ, TPO-QSA, TPO-QSALV50 or TPO-WB	-97.5
S-27.	Min. 22 ga., type B, 38 ksi yield strength steel	GAF SA Vapor Retarder XL	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 12-inch o.c. (atop every-other deck flange)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M, LRF-XF or OB500	TPO-1121, TPO-3SQ, TPO-6SQ, TPO-QSA, TPO-QSALV50 or TPO-WB	-97.5

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TABLE 2B: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-2: BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Vapor Barrier	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
S-28.	Min. 22 ga., type B, Grade 40 steel	GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 6-inch o.c. (atop every deck flange)	(Optional) Additional layer(s) EnergyGuard Polyiso Insulation	LRF-M, LRF-XF or OB500, 6-inch o.c.	TPO-3SQ	-112.5
S-29.	Min. 22 ga., Type B, Grade 50 steel	GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 6-inch o.c. (atop every deck flange)	(Optional) Additional layer(s) base insulation	LRF-M, LRF-XF or OB500, 6-inch o.c.	TPO-1121	-127.5
S-30.	Min. 22 ga., Type B, Grade 50 steel	GAF SA Vapor Retarder XL	One or more layers min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 6-inch o.c. (atop every deck flange)	Min. 0.25-inch DensDeck Prime or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M, LRF-XF or OB500, 6-inch o.c.	TPO-1121, TPO-3SQ, TPO-6SQ, TPO-QSA, TPO-QSALV50 or TPO-WB	-127.5
S-31.	Min. 22 ga., Type B, Grade 50 steel	GAF SA Vapor Retarder XL	One or more layers min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 6-inch o.c. (atop every deck flange)	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M, LRF-XF or OB500, 6-inch o.c.	TPO-1121 or TPO-QSA	-127.5
S-32.	Min. 22 ga., Type B, Grade 50 steel	GAF SA Vapor Retarder XL	One or more layers min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 6-inch o.c. (atop every deck flange)	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500, 6-inch o.c.	TPO-1121, TPO-3SQ, TPO-QSALV50 or TPO-WB	-127.5
EVERGUARD TPO FLEECE-BACK MEMBRANE:								
S-33.	Min. 22 ga., type B, 38 ksi yield strength steel	GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 12-inch o.c. (atop every-other deck flange)	(Optional) Additional layer(s) base insulation	LRF-M, LRF-XF or OB500	TPOFB-LM1 (spatter), TPOFB-LM2 (spatter), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1, TPOFB-XF2 or TPOFB-WB1	-97.5
S-34.	Min. 22 ga., type B, 38 ksi yield strength steel	GAF SA Vapor Retarder XL	One or more layers min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 12-inch o.c. (atop every-other deck flange)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M, LRF-XF or OB500	TPOFB-LM1 (spatter), TPOFB-LM2 (spatter), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1, TPOFB-XF2 or TPOFB-WB1	-97.5
S-35.	Min. 22 ga., Type B, Grade 50 steel	GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 6-inch o.c. (atop every deck flange)	(Optional) Additional layer(s) base insulation	LRF-M, LRF-XF or OB500, 6-inch o.c.	TPOFB-XF1, TPOFB-XF2	-127.5
S-36.	Min. 22 ga., Type B, Grade 50 steel	GAF SA Vapor Retarder XL	One or more layers min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500, 6-inch o.c. (atop every deck flange)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M, LRF-XF or OB500, 6-inch o.c.	TPOFB-LM1 (spatter), TPOFB-LM2 (spatter), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-127.5

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TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
EVERGUARD SA TPO:								
S-37.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 5.3 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-M Canister, LRF-XF or OB500	TPO-SA	-30.0*
S-38.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard RA	Note 2	1 per 2.0 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-SA	-45.0*
S-39.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard RA	Note 2	1 per 4.0 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-SA	-45.0*
S-40.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 3.2 ft²	Additional optional layers, min. 1.5-inch base insulation or EnergyGuard RA, followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-M Canister or OB500	TPO-SA	-45.0*
S-41.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 2.0 ft²	Additional optional layers, min. 0.5-inch base insulation followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M or OB500	TPO-SA	-45.0*
S-42.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 5.3 ft²	Additional layers, min. 1.5-inch base insulation or EnergyGuard RA, followed by min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-M Canister or OB500	TPO-SA	-45.0*
S-43.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Additional optional layers, min. 0.5-inch base insulation followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M or OB500	TPO-SA	-45.0*
S-44.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Additional optional layers, min. 1.5-inch base insulation or EnergyGuard RA, followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-M Canister or OB500	TPO-SA	-45.0*
S-45.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 2.0 ft²	Additional layers, min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-M or OB500	TPO-SA	-45.0*
S-46.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Additional layers, min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-M or OB500	TPO-SA	-45.0*
S-47.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 2.0 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M or OB500	TPO-SA	-52.5

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TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
S-48.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 1.8 ft²	Additional optional layers, min. 1.5-inch base insulation or EnergyGuard RA, followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-M Canister or OB500	TPO-SA	-60.0
S-49.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard RA	Note 2	1 per 1.6 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-SA	-60.0
S-50.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard RA	Note 2	1 per 2.0 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-SA	-45.0*
S-51.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard RA	Note 2	1 per 4.0 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-SA	-45.0*
S-52.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 3.2 ft²	Additional optional layers, min. 1.5-inch base insulation or EnergyGuard RA, followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-SA	-45.0*
S-53.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 2.0 ft²	Additional optional layers, min. 0.5-inch base insulation followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-SA	-45.0*
S-54.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 5.3 ft²	Additional layers, min. 1.5-inch base insulation or EnergyGuard RA, followed by min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-SA	-45.0*
S-55.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Additional optional layers, min. 0.5-inch base insulation followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-SA	-45.0*
S-56.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Additional optional layers, min. 1.5-inch EnergyGuard RA, followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-SA	-45.0*
S-57.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 2.0 ft²	Additional layers, min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-XF	TPO-SA	-45.0*
S-58.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Additional layers, min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-XF	TPO-SA	-45.0*

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TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
S-59.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 2.0 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-SA	-52.5
S-60.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 1.8 ft²	Additional optional layers, min. 1.5-inch base insulation or EnergyGuard RA, followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-SA	-60.0
S-61.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard RA	Note 2	1 per 1.6 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-SA	-60.0
S-62.	Min. 22 ga., Type B, Grade 33 steel	Min. 2 x 48 x 96-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.8 ft²	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or EnergyGuard HD Polyiso Cover Board	OB500, LRF-M or LRF-XF, 6-inch o.c.	TPO-SA	-52.5
S-63.	Min. 22 ga., Type B, Grade 33 steel	Min. 2 x 48 x 96-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.6 ft²	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or EnergyGuard HD Polyiso Cover Board	OB500, LRF-M or LRF-XF, 6-inch o.c.	TPO-SA	-75.0
S-64.	Min. 22 ga., Type B, Grade 80 steel	Min. 2 x 48 x 96-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2 or Drill Tec #12 DF Fastener or Drill Tec #14 DF Fastener with Drill Tec 3" DF Steel Insulation Plate	1 per 1.0 ft²	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or EnergyGuard HD Polyiso Cover Board	OB500, LRF-M or LRF-XF, 4-inch o.c.	TPO-SA	-157.5
S-65.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" DF Steel Insulation Plate	1 per 5.3 ft²	Min. 2.0-inch Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500	TPO-SA	-45.0*
S-66.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 1.5-inch thick	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" DF Steel Insulation Plate	1 per 3.2 ft²	Min. 2.0-inch Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500	TPO-SA	-45.0*

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TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
S-67.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" DF Steel Insulation Plate	1 per 2.0 ft²	Min. 2.0-inch Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500	TPO-SA	-60.0
S-68.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" DF Steel Insulation Plate	1 per 1.8 ft²	Min. 2.0-inch Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500, 6-inch o.c.	TPO-SA	-67.5
S-69.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.6 ft²	Min. 2.0-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500, 6-inch o.c.	TPO-SA	-67.5
S-70.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.45 ft²	Min. 2.0-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500, 6-inch o.c.	TPO-SA	-75.0
S-71.	Min. 22 ga., Type B, Grade 80 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.0 ft²	Min. 2.0-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500, 4-inch o.c.	TPO-SA	-135.0
EVERGUARD TPO:								

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TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
S-72.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard RA	Note 2	1 per 2.0 ft²	Additional layers of base insulation	Hot asphalt	TPO-1121, TPO-3SQ or TPO-WB	-45.0*
S-73.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard RA	Note 2	1 per 4.0 ft²	Additional layers of base insulation	Hot asphalt	TPO-1121, TPO-3SQ or TPO-WB	-45.0*
S-74.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard RA	Note 2	1 per 3.2 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-37.5*
S-75.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft²	One or more layers of Base Insulation or min. 0.5-inch thick DensDeck or DEXcell FA Glass Mat Roof Board	OB500	TPO-1121 or TPO-3SQ	-45.0*
S-76.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck	Note 2	1 per 2.0 ft²	One or more layers, min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	TPO-1121, TPO-3SQ or TPO-WB	-45.0*
S-77.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard RA	Note 2	1 per 2.0 ft²	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	OB500	TPO-1121, TPO-3SQ or TPO-6SQ	-45.0*
S-78.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 2.0 ft²	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	LRF-M or OB500	TPO-1121, TPO-3SQ or TPO-6SQ	-45.0*
S-79.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	LRF-M or OB500	TPO-1121, TPO-3SQ or TPO-6SQ	-45.0*
S-80.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard RA	Note 2	1 per 2.0 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
S-81.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard RA	Note 2	1 per 4.0 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
S-82.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 2.0 ft²	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M or OB500	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
S-83.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M or OB500	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*

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TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
S-84.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 2.0 ft²	Additional optional layers, min. 1.5-inch base insulation followed by 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M or OB500	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
S-85.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Additional optional layers, min. 1.5-inch base insulation followed by 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M or OB500	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
S-86.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 2.0 ft²	Additional optional layers, min. 0.5-inch base insulation	LRF-M or OB500	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
S-87.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Additional optional layers, min. 0.5-inch base insulation	LRF-M or OB500	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
S-88.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 2.0 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M or OB500	TPO-1121, TPO-3SQ or TPO-6SQ	-52.5
S-89.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard RA	Note 2	1 per 1.6 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-60.0
S-90.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA	Note 2	1 per 1.3 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-60.0
S-91.	Min. 22 ga., Type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 3-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.0 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500, 4-inch o.c.	TPO-1121	-120.0
S-92.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA	Note 2	1 per 1.3 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-60.0
S-93.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard RA	Note 2	1 per 2.0 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*

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TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
S-94.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard RA	Note 2	1 per 4.0 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
S-95.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 2.0 ft²	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
S-96.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
S-97.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 2.0 ft²	Additional optional layers, min. 1.5-inch base insulation followed by 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
S-98.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Additional optional layers, min. 1.5-inch base insulation followed by 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
S-99.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 2.0 ft²	Additional optional layers, min. 0.5-inch base insulation	LRF-XF	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
S-100.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Additional optional layers, min. 0.5-inch base insulation	LRF-XF	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
S-101.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 2.0 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-1121, TPO-3SQ or TPO-6SQ	-52.5
S-102.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard RA	Note 2	1 per 1.6 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-60.0
S-103.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA	Note 2	1 per 1.3 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-60.0

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TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
S-104.	Min. 22 ga., Type B, Grade 33 steel	Min. 2 x 48 x 96-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.8 ft²	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or EnergyGuard HD Polyiso Cover Board	OB500, LRF-M or LRF-XF, 6-inch o.c.	TPO-1121 or TPO-3SQ	-52.5
S-105.	Min. 22 ga., Type B, Grade 33 steel	Min. 2 x 48 x 96-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.6 ft²	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or EnergyGuard HD Polyiso Cover Board	OB500, LRF-M or LRF-XF, 6-inch o.c.	TPO-1121 or TPO-3SQ	-75.0
S-106.	Min. 22 ga., Type B, Grade 80 steel	Min. 2 x 48 x 96-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2 or Drill Tec #12 DF Fastener or Drill Tec #14 DF Fastener with Drill Tec 3" DF Steel Insulation Plate	1 per 1.0 ft²	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or EnergyGuard HD Polyiso Cover Board	OB500, LRF-M or LRF-XF, 4-inch o.c.	TPO-1121 or TPO-3SQ	-157.5
S-107.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" DF Steel Insulation Plate	1 per 5.3 ft²	Min. 2.0-inch Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500	TPO-1121, TPO-3SQ	-45.0*
S-108.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 1.5-inch thick	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" DF Steel Insulation Plate	1 per 3.2 ft²	Min. 2.0-inch Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500	TPO-1121, TPO-3SQ	-45.0*
S-109.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" DF Steel Insulation Plate	1 per 2.0 ft²	Min. 2.0-inch Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500	TPO-1121, TPO-3SQ	-60.0

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TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
S-110.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" DF Steel Insulation Plate	1 per 1.8 ft²	Min. 2.0-inch Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500, 6-inch o.c.	TPO-1121, TPO-3SQ	-67.5
S-111.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.6 ft²	Min. 2.0-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500, 6-inch o.c.	TPO-1121, TPO-3SQ	-67.5
S-112.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.45 ft²	Min. 2.0-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500, 6-inch o.c.	TPO-1121, TPO-3SQ	-75.0
S-113.	Min. 22 ga., Type B, Grade 80 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.0 ft²	Min. 2.0-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500, 4-inch o.c.	TPO-1121, TPO-3SQ	-135.0
EVERGUARD TPO / EVERGUARD TPO QUICK SPRAY OR EVERGUARD TPO QUICK SPRAY LV 50:								
S-114.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard RA	Note 2	1 per 3.2 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-QSA or TPO-QSALV50	-37.5*
S-115.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck	Note 2	1 per 2.0 ft²	One or more layers, min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	TPO-QSA or TPO-QSALV50	-45.0*
S-116.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard RA	Note 2	1 per 2.0 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-QSA or TPO-QSALV50	-45.0*

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TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
S-117.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard RA	Note 2	1 per 4.0 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-QSA or TPO-QSALV50	-45.0*
S-118.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 2.0 ft²	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M or OB500	TPO-QSA or TPO-QSALV50	-45.0*
S-119.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M or OB500	TPO-QSA or TPO-QSALV50	-45.0*
S-120.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 2.0 ft²	Additional optional layers, min. 1.5-inch base insulation followed by 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M or OB500	TPO-QSA or TPO-QSALV50	-45.0*
S-121.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Additional optional layers, min. 1.5-inch base insulation followed by 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M or OB500	TPO-QSA or TPO-QSALV50	-45.0*
S-122.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation	Note 2	1 per 2.0 ft²	Additional optional layers, min. 0.5-inch base insulation	LRF-M or OB500	TPO-QSA or TPO-QSALV50	-45.0*
S-123.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 4.0 ft²	Additional optional layers, min. 0.5-inch base insulation	LRF-M or OB500	TPO-QSA or TPO-QSALV50	-45.0*
S-124.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 2.0 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M or OB500	TPO-QSA or TPO-QSALV50	-52.5
S-125.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard RA	Note 2	1 per 1.6 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-QSA or TPO-QSALV50	-60.0
S-126.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA	Note 2	1 per 1.3 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-QSA or TPO-QSALV50	-60.0
S-127.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA	Note 2	1 per 1.3 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPO-QSA or TPO-QSALV50	-60.0

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TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
S-128.	Min. 22 ga., Type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 3-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.0 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500, 4-inch o.c.	TPO-QSA or TPO-QSALV50	-82.5
S-129.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard RA	Note 2	1 per 2.0 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-QSA or TPO-QSALV50	-45.0*
S-130.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard RA	Note 2	1 per 4.0 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-QSA or TPO-QSALV50	-45.0*
S-131.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 2.0 ft²	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-QSA or TPO-QSALV50	-45.0*
S-132.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-QSA or TPO-QSALV50	-45.0*
S-133.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 2.0 ft²	Additional optional layers, min. 1.5-inch base insulation followed by 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	TPO-QSA or TPO-QSALV50	-45.0*
S-134.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Additional optional layers, min. 1.5-inch base insulation followed by 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	TPO-QSA or TPO-QSALV50	-45.0*
S-135.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation	Note 2	1 per 2.0 ft²	Additional optional layers, min. 0.5-inch base insulation	LRF-XF	TPO-QSA or TPO-QSALV50	-45.0*
S-136.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 4.0 ft²	Additional optional layers, min. 0.5-inch base insulation	LRF-XF	TPO-QSA or TPO-QSALV50	-45.0*
S-137.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 2.0 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-QSA or TPO-QSALV50	-52.5
S-138.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard RA	Note 2	1 per 1.6 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-QSA or TPO-QSALV50	-60.0

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TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
S-139.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA	Note 2	1 per 1.3 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-QSA or TPO-QSALV50	-60.0
S-140.	Min. 22 ga., Type B, Grade 33 steel	Min. 2 x 48 x 96-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.8 ft²	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or EnergyGuard HD Polyiso Cover Board	OB500, LRF-M or LRF-XF, 6-inch o.c.	TPO-QSA or TPO-QSALV50	-52.5
S-141.	Min. 22 ga., Type B, Grade 33 steel	Min. 2 x 48 x 96-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.6 ft²	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or EnergyGuard HD Polyiso Cover Board	OB500, LRF-M or LRF-XF, 6-inch o.c.	TPO-QSA or TPO-QSALV50	-75.0
S-142.	Min. 22 ga., Type B, Grade 80 steel	Min. 2 x 48 x 96-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2 or Drill Tec #12 DF Fastener or Drill Tec #14 DF Fastener with Drill Tec 3" DF Steel Insulation Plate	1 per 1.0 ft²	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or EnergyGuard HD Polyiso Cover Board	OB500, LRF-M or LRF-XF, 4-inch o.c.	TPO-QSA or TPO-QSALV50	-157.5
S-143.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" DF Steel Insulation Plate	1 per 5.3 ft²	Min. 2.0-inch Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500	TPO-QSA, TPO-QSALV50	-45.0*
S-144.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 1.5-inch thick	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" DF Steel Insulation Plate	1 per 3.2 ft²	Min. 2.0-inch Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500	TPO-QSA, TPO-QSALV50	-45.0*
S-145.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" DF Steel Insulation Plate	1 per 2.0 ft²	Min. 2.0-inch Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500	TPO-QSA, TPO-QSALV50	-60.0

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TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
S-146.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" DF Steel Insulation Plate	1 per 1.8 ft²	Min. 2.0-inch Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500, 6-inch o.c.	TPO-QSA, TPO-QSALV50	-67.5
S-147.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.6 ft²	Min. 2.0-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500, 6-inch o.c.	TPO-QSA, TPO-QSALV50	-67.5
S-148.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.45 ft²	Min. 2.0-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500, 6-inch o.c.	TPO-QSA, TPO-QSALV50	-75.0
S-149.	Min. 22 ga., Type B, Grade 80 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.0 ft²	Min. 2.0-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500, 4-inch o.c.	TPO-QSA, TPO-QSALV50	-135.0
EVERGUARD TPO FLEECE-BACK MEMBRANE EVERGUARD TPO FLEECE-BACK MEMBRANE 100, 115 OR 135 IN EVERGUARD WB 181 BONDING ADHESIVE:								
S-150.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 2.0 ft²	Additional optional layers, min. 0.5-inch base insulation	OB500	TPOFB-WB1	-45.0*
S-151.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Additional optional layers, min. 0.5-inch base insulation	OB500	TPOFB-WB1	-45.0*

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TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
S-152.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 2.0 ft²	Additional optional layers, min. 1.5-inch base insulation followed by 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPOFB-WB1	-45.0*
S-153.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Additional optional layers, min. 1.5-inch base insulation followed by 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPOFB-WB1	-45.0*
S-154.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard RA	Note 2	1 per 3.2 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-WB1	-37.5*
S-155.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA	Note 2	1 per 2.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-WB1	-45.0*
S-156.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-WB1	-45.0*
S-157.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA	Note 2	1 per 1.3 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-WB1	-60.0
S-158.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 2.0 ft²	Additional optional layers, min. 0.5-inch base insulation	LRF-M	TPOFB-WB1	-45.0*
S-159.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Additional optional layers, min. 0.5-inch base insulation	LRF-M	TPOFB-WB1	-45.0*
S-160.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 2.0 ft²	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPOFB-WB1	-45.0*
S-161.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPOFB-WB1	-45.0*

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TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
S-162.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA	Note 2	1 per 1.3 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPOFB-WB1	-60.0
S-163.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 2.0 ft²	Additional optional layers, min. 0.5-inch base insulation	LRF-XF	TPOFB-WB1	-45.0*
S-164.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Additional optional layers, min. 0.5-inch base insulation	LRF-XF	TPOFB-WB1	-45.0*
S-165.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA	Note 2	1 per 1.3 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPOFB-WB1	-60.0
S-166.	Min. 22 ga., Type B, Grade 33 steel	Min. 2 x 48 x 96-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.8 ft²	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or EnergyGuard HD Polyiso Cover Board	OB500, LRF-M or LRF-XF, 6-inch o.c.	TPOFB-WB1	-52.5
S-167.	Min. 22 ga., Type B, Grade 33 steel	Min. 2 x 48 x 96-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.6 ft²	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or EnergyGuard HD Polyiso Cover Board	OB500, LRF-M or LRF-XF, 6-inch o.c.	TPOFB-WB1	-67.5
S-168.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" DF Steel Insulation Plate	1 per 5.3 ft²	Min. 2.0-inch Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500	TPOFB-WB1, TPOFB-WB2	-45.0*
S-169.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 1.5-inch thick	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" DF Steel Insulation Plate	1 per 3.2 ft²	Min. 2.0-inch Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500	TPOFB-WB1, TPOFB-WB2	-45.0*

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TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
S-170.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" DF Steel Insulation Plate	1 per 2.0 ft²	Min. 2.0-inch Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500	TPOFB-WB1, TPOFB-WB2	-60.0
S-171.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" DF Steel Insulation Plate	1 per 1.8 ft²	Min. 2.0-inch Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500, 6-inch o.c.	TPOFB-WB1, TPOFB-WB2	-67.5
S-172.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.6 ft²	Min. 2.0-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500, 6-inch o.c.	TPOFB-WB1, TPOFB-WB2	-67.5
S-173.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.45 ft²	Min. 2.0-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500, 6-inch o.c.	TPOFB-WB1, TPOFB-WB2	-67.5
S-174.	Min. 22 ga., Type B, Grade 80 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.0 ft²	Min. 2.0-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500, 4-inch o.c.	TPOFB-WB1, TPOFB-WB2	-67.5
EVERGUARD TPO FLEECE-BACK MEMBRANE OR EVERGUARD TPO FLEECE-BACK MEMBRANE 100, 115 OR 135 IN LRF ADHESIVE M OR LRF ADHESIVE O:								

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TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
S-175.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 3.2 ft²	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-30.0*
S-176.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 3.2 ft²	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	TPOFB-LM1 or TPOFB-LM2 (4-inch o.c.)	-30.0*
S-177.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 2.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0*
S-178.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 2.0 ft²	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-45.0*
S-179.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0*
S-180.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-45.0*
S-181.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2	1 per 2.0 ft²	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-45.0*
S-182.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2	1 per 2.0 ft²	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	TPOFB-LM1 or TPOFB-LM2 (4-inch o.c.)	-45.0*
S-183.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 2.9 ft²	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-45.0*
S-184.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 2.9 ft²	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	TPOFB-LM1 or TPOFB-LM2 (4-inch o.c.)	-45.0*

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TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
S-185.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA	Note 2	1 per 1.3 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-60.0
S-186.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 3.2 ft²	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-30.0*
S-187.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 3.2 ft²	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M	TPOFB-LM1 or TPOFB-LM2 (4-inch o.c.)	-30.0*
S-188.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 2.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0*
S-189.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 2.0 ft²	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-45.0*
S-190.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0*
S-191.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-45.0*
S-192.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2	1 per 2.0 ft²	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-45.0*
S-193.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2	1 per 2.0 ft²	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M	TPOFB-LM1 or TPOFB-LM2 (4-inch o.c.)	-45.0*

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TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
S-194.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 2.9 ft²	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-45.0*
S-195.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 2.9 ft²	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M	TPOFB-LM1 or TPOFB-LM2 (4-inch o.c.)	-45.0*
S-196.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA	Note 2	1 per 1.3 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-60.0
S-197.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 3.2 ft²	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-30.0*
S-198.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 3.2 ft²	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-XF	TPOFB-LM1 or TPOFB-LM2 (4-inch o.c.)	-30.0*
S-199.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2	1 per 2.0 ft²	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-45.0*
S-200.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2	1 per 2.0 ft²	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-XF	TPOFB-LM1 or TPOFB-LM2 (4-inch o.c.)	-45.0*
S-201.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 2.9 ft²	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-45.0*
S-202.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 2.9 ft²	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-XF	TPOFB-LM1 or TPOFB-LM2 (4-inch o.c.)	-45.0*
S-203.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA	Note 2	1 per 1.3 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-60.0

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TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
S-204.	Min. 22 ga., Type B, Grade 33 steel	Min. 2 x 48 x 96-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.8 ft²	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or EnergyGuard HD Polyiso Cover Board	OB500, LRF-M or LRF-XF, 6-inch o.c.	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-52.5
S-205.	Min. 22 ga., Type B, Grade 33 steel	Min. 2 x 48 x 96-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.6 ft²	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or EnergyGuard HD Polyiso Cover Board	OB500, LRF-M or LRF-XF, 6-inch o.c.	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-75.0
S-206.	Min. 22 ga., Type B, Grade 80 steel	Min. 2 x 48 x 96-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2 or Drill Tec #12 DF Fastener or Drill Tec #14 DF Fastener with Drill Tec 3" DF Steel Insulation Plate	1 per 1.0 ft²	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or EnergyGuard HD Polyiso Cover Board	OB500, LRF-M or LRF-XF, 4-inch o.c.	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-157.5
EVERGUARD TPO FLEECE-BACK MEMBRANE OR EVERGUARD TPO FLEECE-BACK MEMBRANE 100, 115 OR 135 IN SPATTER APPLICATIONS:								
S-207.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 2.0 ft²	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-208.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-209.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 2.0 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5
S-210.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 1.8 ft²	Min. 1.5-inch x max. 4x4 ft base insulation	OB500	TPOFB-OB1 or TPOFB-OB2	-60.0
S-211.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 1.8 ft²	Optional layers of min. 1.5-inch x max. 4x4 ft base insulation followed by min. 0.25-inch x max. 4x4 ft DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch x max. 4x4 ft EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPOFB-OB1 or TPOFB-OB2	-60.0
S-212.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA	Note 2	1 per 1.3 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0

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TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
S-213.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 1.8 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or or min. 0.5-inch x max. 4x4 ft EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPOFB-OB1 or TPOFB-OB2	-67.5
S-214.	Min. 22 ga., Type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 3-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.0 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500, 4-inch o.c.	TPOFB-OB1	-120.0
S-215.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 2.0 ft²	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-216.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-217.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 2.0 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5
S-218.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA	Note 2	1 per 1.3 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0
S-219.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 2.0 ft²	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-220.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-221.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 2.0 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5
S-222.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA	Note 2	1 per 1.3 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0

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TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
S-223.	Min. 22 ga., Type B, Grade 33 steel	Min. 2 x 48 x 96-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.8 ft²	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or EnergyGuard HD Polyiso Cover Board	OB500, LRF-M or LRF-XF, 6-inch o.c.	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5
S-224.	Min. 22 ga., Type B, Grade 33 steel	Min. 2 x 48 x 96-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.6 ft²	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or EnergyGuard HD Polyiso Cover Board	OB500, LRF-M or LRF-XF, 6-inch o.c.	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-75.0
S-225.	Min. 22 ga., Type B, Grade 80 steel	Min. 2 x 48 x 96-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2 or Drill Tec #12 DF Fastener or Drill Tec #14 DF Fastener with Drill Tec 3" DF Steel Insulation Plate	1 per 1.0 ft²	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or EnergyGuard HD Polyiso Cover Board	OB500, LRF-M or LRF-XF, 4-inch o.c.	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-157.5
S-226.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" DF Steel Insulation Plate	1 per 5.3 ft²	Min. 2.0-inch Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500	TPOFB-LM1 (spatter), TPOFB-LM2 (spatter),TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-227.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 1.5-inch thick	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" DF Steel Insulation Plate	1 per 3.2 ft²	Min. 2.0-inch Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500	TPOFB-LM1 (spatter), TPOFB-LM2 (spatter),TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-228.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" DF Steel Insulation Plate	1 per 2.0 ft²	Min. 2.0-inch Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500	TPOFB-LM1 (spatter), TPOFB-LM2 (spatter),TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0

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TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
S-229.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" DF Steel Insulation Plate	1 per 1.8 ft^2	Min. 2.0-inch Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500, 6-inch o.c.	TPOFB-LM1 (spatter), TPOFB-LM2 (spatter),TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-67.5
S-230.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.6 ft^2	Min. 2.0-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500, 6-inch o.c.	TPOFB-LM1 (spatter), TPOFB-LM2 (spatter), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1, TPOFB-XF2	-67.5
S-231.	Min. 22 ga., Type B, Grade 33 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.45 ft^2	Min. 2.0-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or Ultra HD Composite Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500, 6-inch o.c.	TPOFB-LM1 (spatter), TPOFB-LM2 (spatter), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1, TPOFB-XF2	-75.0
S-232.	Min. 22 ga., Type B, Grade 80 steel	One or more layer(s) EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation; topmost layer min. 2-inch thick	Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.0 ft^2	Min. 2.0-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-M Canister, LRF-XF or OB500, 4-inch o.c.	TPOFB-LM1 (spatter), TPOFB-LM2 (spatter), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1, TPOFB-XF2	-135.0

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TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED BASE AND CAP PLY									
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)		MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
ASPHALT-APPLIED BASE PLY:									
S-233.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 2.0 ft²	Optional layers of base insulation followed by Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	Hot asphalt	BP-AA or SBS-AA	TPOFB-HA1 or TPOFB-HA2	-45.0*
S-234.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard RA	Note 2	1 per 4.0 ft²	Optional layers of base insulation followed by Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	Hot asphalt	BP-AA or SBS-AA	TPOFB-HA1 or TPOFB-HA2	-45.0*
S-235.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	Note 2	1 per 4.0 ft²	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	Hot asphalt	BP-AA or SBS-AA	TPOFB-HA1 or TPOFB-HA2	-45.0*
S-236.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard RA	Note 2	1 per 5.3 ft²	Optional layers of min. 1.5-inch base insulation followed by Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	Hot asphalt	BP-AA or SBS-AA	TPOFB-HA1 or TPOFB-HA2	-45.0*
S-237.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 5.3 ft²	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	Hot Asphalt	SBS-AA	TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-238.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.3 ft²	Min. 0.5-inch Structodek High Density Fiberboard Insulation or min. 0.4375-inch DEXcell Cement Roof Board	Hot Asphalt	SBS-AA	TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0
S-239.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.8 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	SBS-AA	TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-67.5
S-240.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.6 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	SBS-AA	TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-75.0
S-241.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.45 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	SBS-AA	TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-82.5

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TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED BASE AND CAP PLY									
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)		MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
S-242.	Min. 22 ga., Type B, Grade 40 or min. 20 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.45 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	SBS-AA	TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-90.0
S-243.	Min. 22 ga., Type B, Grade 40 or min. 20 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.0 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	SBS-AA	TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-97.5
S-244.	Min. 22 ga., Type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.0 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	SBS-AA	TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-105.0
S-245.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard RA	Note 2	1 per 2.0 ft²	Optional layers of base insulation followed by Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	BP-AA or SBS-AA	TPOFB-HA1 or TPOFB-HA2	-45.0*
S-246.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard RA	Note 2	1 per 4.0 ft²	Optional layers of min. 1.5-inch base insulation followed by Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	BP-AA or SBS-AA	TPOFB-HA1 or TPOFB-HA2	-45.0*
S-247.	Min. 22 ga., Type B, Grade 33 steel, or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA	Note 2	1 per 1.3 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-LO1 (12-inch o.c.), TPOFB-LO2 (12-inch o.c.), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0
S-248.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard RA	Note 2	1 per 2.0 ft²	Optional layers of base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	BP-AA or SBS-AA	TPOFB-HA1 or TPOFB-HA2	-45.0*
S-249.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard RA	Note 2	1 per 4.0 ft²	Optional layers of min. 1.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	BP-AA or SBS-AA	TPOFB-HA1 or TPOFB-HA2	-45.0*
S-250.	Min. 22 ga., Type B, Grade 33 steel, or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA	Note 2	1 per 1.3 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-LO1 (12-inch o.c.), TPOFB-LO2 (12-inch o.c.), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0
TORCH-APPLIED BASE PLY:									

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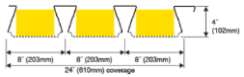
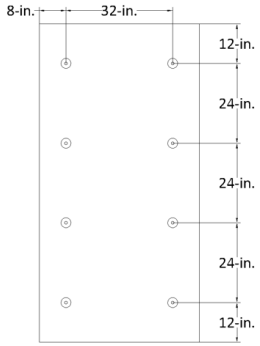
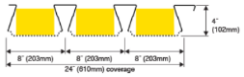
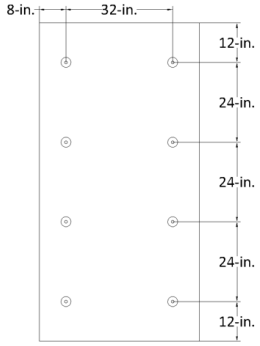
TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED BASE AND CAP PLY									
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)		MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
S-251.	Min. 20 ga., Grade 33 Epic Metals Corp Toris 4A (Acoustical) steel 	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra 	Note 2	1 per 4.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M or LRF-M Canister	SBS-TA	TPOFB-LM1 (spatter), TPOFB-LM2 (spatter), TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-252.	Min. 20 ga., Grade 33 Epic Metals Corp Toris 4A (Acoustical) steel 	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra 	Note 2	1 per 4.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-TA	TPOFB-LM1 (spatter), TPOFB-LM2 (spatter), TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-253.	Min. 22 ga., Type B, Grade 33 steel, or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA	Note 2	1 per 1.3 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-TA	TPOFB-HA1, TPOFB-HA2, TPOFB-LO1 (12-inch o.c.), TPOFB-LO2 (12-inch o.c.), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0

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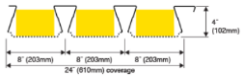
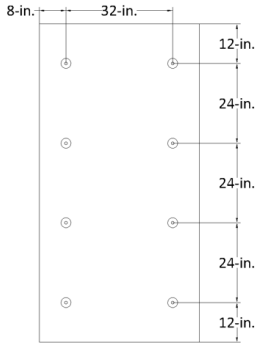
TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED BASE AND CAP PLY									
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)		MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
S-254.	Min. 20 ga., Grade 33 Epic Metals Corp Toris 4A (Acoustical) steel 	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra 	Note 2	1 per 4.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	SBS-TA	TPOFB-LM1 (spatter), TPOFB-LM2 (spatter), TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-255.	Min. 22 ga., Type B, Grade 33 steel, or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA	Note 2	1 per 1.3 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	SBS-TA	TPOFB-HA1, TPOFB-HA2, TPOFB-LO1 (12-inch o.c.), TPOFB-LO2 (12-inch o.c.), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0
SELF-ADHERING BASE PLY:									
S-256.	Min. 22 ga., Type B, Grade 33 steel, or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA	Note 2	1 per 1.3 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-SA	TPOFB-HA1, TPOFB-HA2, TPOFB-LO1 (12-inch o.c.), TPOFB-LO2 (12-inch o.c.), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0
S-257.	Min. 22 ga., Type B, Grade 33 steel, or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA	Note 2	1 per 1.3 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	SBS-SA	TPOFB-HA1, TPOFB-HA2, TPOFB-LO1 (12-inch o.c.), TPOFB-LO2 (12-inch o.c.), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0

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TABLE 2E: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED TOP INSULATION, BONDED ROOF COVER									
System No.	Deck (Note 1)	Thermal Barrier			Vapor Barrier (Note 15)	Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)		Type	Attach (Notes 6,7,8)		
EVERGUARD SA TPO:									
S-258.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 4.0 ft²	Unprimed substrate followed by GAF SA Vapor Retarder XL or GAF SA Primer, TPO QSA, TPO QSA LV50 or Matrix 307 Premium Asphalt Primer followed by GAF SA Vapor Retarder	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M, LRF-XF or OB500	TPO-SA	-45.0*
S-259.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 2.0 ft²	Unprimed substrate followed by GAF SA Vapor Retarder XL or GAF SA Primer, TPO QSA or TPO QSA LV50 followed by GAF SA Vapor Retarder	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	TPO-SA	-60.0
EVERGUARD TPO:									
S-260.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 2.7 ft²	VB-SBS-SA	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA	OB500	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
S-261.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 2.7 ft²	VB-SBS-SA	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
S-262.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.625-inch DensDeck	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 4.0 ft²	VB-BP2-AA	Min. 1.5-inch EnergyGuard RA	hot asphalt or OB500	TPO-1121, TPO-3SQ or TPO-6SQ	-45.0*
S-263.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 2.7 ft²	VB-SBS-SA	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA	OB500	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
S-264.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 2.7 ft²	VB-SBS-SA	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*

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TABLE 2E: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED TOP INSULATION, BONDED ROOF COVER									
System No.	Deck (Note 1)	Thermal Barrier			Vapor Barrier (Note 15)	Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)		Type	Attach (Notes 6,7,8)		
S-265.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 4.0 ft²	Unprimed substrate followed by GAF SA Vapor Retarder XL or GAF SA Primer, TPO QSA, TPO QSA LV50 or Matrix 307 Premium Asphalt Primer followed by GAF SA Vapor Retarder	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation (Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M, LRF-XF or OB500	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
S-266.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 2.0 ft²	Unprimed substrate followed by GAF SA Vapor Retarder XL or GAF SA Primer, TPO QSA or TPO QSA LV50 followed by GAF SA Vapor Retarder	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch DensDeck Prime	LRF-M, LRF-XF or OB500	TPO-6SQ	-52.5
S-267.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 2.0 ft²	Unprimed substrate followed by GAF SA Vapor Retarder XL or GAF SA Primer, TPO QSA or TPO QSA LV50 followed by GAF SA Vapor Retarder	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch DensDeck Prime	LRF-M, LRF-XF or OB500	TPO-1121, TPO-3SQ or TPO-WB	-67.5
S-268.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 2.0 ft²	Unprimed substrate followed by GAF SA Vapor Retarder XL or GAF SA Primer, TPO QSA or TPO QSA LV50 followed by GAF SA Vapor Retarder	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-67.5
EVERGUARD TPO / EVERGUARD TPO QUICK SPRAY ADHESIVE OR EVERGUARD TPO QUICK SPRAY LV 50:									
S-269.	Min. 22 ga., Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 2.7 ft²	VB-SBS-SA	Insulation: Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard RA Coverboard: (Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-QSA or TPO-QSALV50	-45.0*
S-270.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 4.0 ft²	VB-SBS-TA	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-QSA or TPO-QSALV50	-45.0*

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TABLE 2E: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED TOP INSULATION, BONDED ROOF COVER									
System No.	Deck (Note 1)	Thermal Barrier			Vapor Barrier (Note 15)	Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)		Type	Attach (Notes 6,7,8)		
S-271.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 4.0 ft²	Unprimed substrate followed by GAF SA Vapor Retarder XL or GAF SA Primer, TPO QSA, TPO QSA LV50 or Matrix 307 Premium Asphalt Primer followed by GAF SA Vapor Retarder	Insulation: Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard RA Coverboard: (Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	TPO-QSA or TPO-QSALV50	-45.0*
S-272.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 2.0 ft²	Unprimed substrate followed by GAF SA Vapor Retarder XL or GAF SA Primer, TPO QSA or TPO QSA LV50 followed by GAF SA Vapor Retarder	Insulation: Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard RA Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	TPO-QSA or TPO-QSALV50	-67.5
EVERGUARD TPO FLEECE-BACK MEMBRANE OR EVERGUARD TPO FLEECE-BACK MEMBRANE 100, 115 OR 135:									
S-273.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 2.7 ft²	VB-SBS-SA	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA	OB500	TPOFB-WB1	-45.0*
S-274.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 2.7 ft²	VB-SBS-SA	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-WB1	-45.0*
S-275.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 2.7 ft²	VB-SBS-SA	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA	OB500	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0*
S-276.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 2.7 ft²	VB-SBS-SA	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0*
S-277.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 2.7 ft²	VB-SBS-SA	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-45.0*
S-278.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 2.7 ft²	VB-SBS-SA	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA followed by min. 0.25-inch DensDeck Prime	OB500	TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0*

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TABLE 2E: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED TOP INSULATION, BONDED ROOF COVER									
System No.	Deck (Note 1)	Thermal Barrier			Vapor Barrier (Note 15)	Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)		Type	Attach (Notes 6,7,8)		
S-279.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 4.0 ft²	Unprimed substrate followed by GAF SA Vapor Retarder XL or GAF SA Primer, TPO QSA, TPO QSA LV50 or Matrix 307 Premium Asphalt Primer followed by GAF SA Vapor Retarder	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	TPOFB-LM1 or TPOFB-LO1 (12-inch o.c.), TPOFB-OB1, TPOFB-XF1 or TPOFB-WB1	-45.0*
S-280.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 4.0 ft²	Unprimed substrate followed by GAF SA Vapor Retarder XL or GAF SA Primer, TPO QSA, TPO QSA LV50 or Matrix 307 Premium Asphalt Primer followed by GAF SA Vapor Retarder	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	TPOFB-LM2 or TPOFB-LO2 (12-inch o.c.), TPOFB-OB2 or TPOFB-XF2	-45.0*
S-281.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 4.0 ft²	Unprimed substrate followed by GAF SA Vapor Retarder XL or GAF SA Primer, TPO QSA, TPO QSA LV50 or Matrix 307 Premium Asphalt Primer followed by GAF SA Vapor Retarder	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation (Optional) Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M, LRF-XF or OB500	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-282.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 2.0 ft²	Unprimed substrate followed by GAF SA Vapor Retarder XL or GAF SA Primer, TPO QSA or TPO QSA LV50 followed by GAF SA Vapor Retarder	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch DensDeck Prime	LRF-M, LRF-XF or OB500	TPOFB-WB1	-52.5
S-283.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 1.3 ft²	VB-SBS-TA	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-OB1 or TPOFB-OB2	-52.5
S-284.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 2.0 ft²	Unprimed substrate followed by GAF SA Vapor Retarder XL or GAF SA Primer, TPO QSA or TPO QSA LV50 followed by GAF SA Vapor Retarder	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0
S-285.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 2.0 ft²	Unprimed substrate followed by GAF SA Vapor Retarder XL or GAF SA Primer, TPO QSA or TPO QSA LV50 followed by GAF SA Vapor Retarder	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch DensDeck Prime	LRF-M, LRF-XF or OB500	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0

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TABLE 2E: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED TOP INSULATION, BONDED ROOF COVER									
System No.	Deck (Note 1)	Thermal Barrier			Vapor Barrier (Note 15)	Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)		Type	Attach (Notes 6,7,8)		
S-286.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 2.0 ft²	Unprimed substrate followed by GAF SA Vapor Retarder XL or GAF SA Primer, TPO QSA or TPO QSA LV50 followed by GAF SA Vapor Retarder	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	TPOFB-LM1 or TPOFB-LO1 (4-inch o.c.), TPOFB-OB1, TPOFB-XF1 or TPOFB-WB1	-67.5
S-287.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 *(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)*	1 per 2.0 ft²	Unprimed substrate followed by GAF SA Vapor Retarder XL or GAF SA Primer, TPO QSA or TPO QSA LV50 followed by GAF SA Vapor Retarder	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	TPOFB-LM2 or TPOFB-LO2 (4-inch o.c.), TPOFB-OB2 or TPOFB-XF2	-67.5

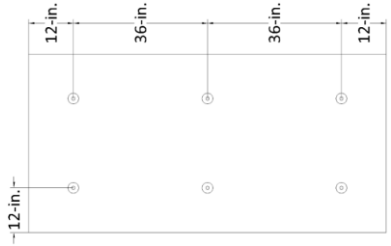
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
EVERGUARD SA TPO:							
S-288.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2; 6 parts per min. 4 x 8 ft board with parts installed 36-inch o.c. in two parallel rows, 12 inches from the 8 ft edges of the board	1 per 5.3 ft²	TPO-SA	-30.0*
S-289.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.25-inch DensDeck Prime	Drill-Tec #12 Fastener (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate	1 per 4.0 ft²	TPO-SA	-30.0*
S-290.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate or Drill-Tec #12 DF Fastener (steel only) or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate	1 per 4.0 ft²	TPO-SA	-30.0*
S-291.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Note 2 	1 per 5.3 ft²	TPO-SA	-30.0*

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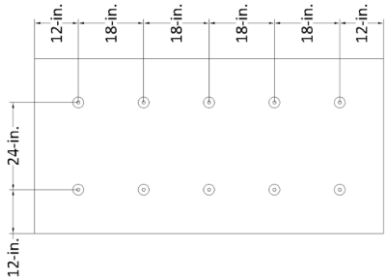
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-292.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RA	Note 2	1 per 4.0 ft²	TPO-SA	-37.5*
S-293.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation or EnergyGuard RA	Note 2	1 per 2.7 ft²	TPO-SA	-37.5*
S-294.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RA	Note 2	1 per 2.9 ft²	TPO-SA	-45.0*
S-295.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 2.0 ft²	TPO-SA	-45.0*
S-296.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation or EnergyGuard RA	Note 2	1 per 2.0 ft²	TPO-SA	-45.0*
S-297.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 4.0 ft²	TPO-SA	-45.0*
S-298.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate or Drill-Tec #12 DF Fastener (steel only) or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate	1 per 3.2 ft²	TPO-SA	-45.0*
S-299.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2 	1 per 3.2 ft²	TPO-SA	-45.0*

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TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-300.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate or Drill-Tec #12 DF Fastener (steel only) or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate	1 per 4.0 ft²	TPO-SA	-45.0*
S-301.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.25-inch DensDeck Prime	Drill-Tec #12 Fastener (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate	1 per 1.45 ft²	TPO-SA	-45.0
S-302.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Drill-Tec #12 Fastener (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3" Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate	1 per 1.45 ft²	TPO-SA	-45.0
S-303.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination, min 0.5-inch, loose-laid	Min. 2.0-inch Ultra HD Composite Insulation	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 5.3 ft²	TPO-SA	-45.0*
S-304.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RA	Note 2	1 per 1.3 ft²	TPO-SA	-52.5
S-305.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RA	Note 2 (#14 only)	1 per 2.0 ft²	TPO-SA	-52.5
S-306.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 1.45 ft²	TPO-SA	-52.5
S-307.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate or Drill-Tec #12 DF Fastener (steel only) or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate	1 per 1.6 ft²	TPO-SA	-52.5
S-308.	Min. 20 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate or Drill-Tec #12 DF Fastener (steel only) or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate	1 per 1.3 ft²	TPO-SA	-60.0

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TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-309.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate or Drill-Tec #12 DF Fastener (steel only) or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate	1 per 1.8 ft²	TPO-SA	-60.0
S-310.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination, min 0.5-inch, loose-laid	Min. 2.0-inch Ultra HD Composite Insulation	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 2.1 ft²	TPO-SA	-60.0
S-311.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch DensDeck Prime	Drill-Tec #12 Fastener, Drill-Tec #12 DF Fastener or Drill-Tec #12 DP Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate or Drill-Tec 3" Steel Plate	1 per 2.0 ft²	TPO-SA	-67.5
S-312.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener, Drill-Tec #12 DF Fastener or Drill-Tec #12 DP Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" Flat Steel Plate	1 per 2.0 ft²	TPO-SA	-67.5
S-313.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination, min 0.5-inch, loose-laid	Min. 2.0-inch Ultra HD Composite Insulation	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.6 ft²	TPO-SA	-67.5
S-314.	Min. 20 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate or Drill-Tec #12 DF Fastener (steel only) or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate	1 per 1.45 ft²	TPO-SA	-75.0

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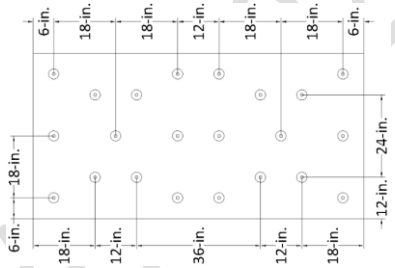
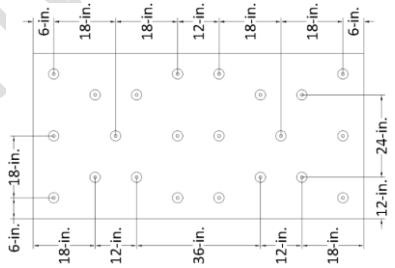
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-315.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch DensDeck Prime	Drill-Tec #12 Fastener, Drill-Tec #12 DF Fastener or Drill-Tec #12 DP Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate or Drill-Tec 3" Steel Plate 	1 per 1.45 ft^2	TPO-SA	-82.5
S-316.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener, Drill-Tec #12 DF Fastener or Drill-Tec #12 DP Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" Flat Steel Plate 	1 per 1.45 ft^2	TPO-SA	-82.5
S-317.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination, min 0.5-inch, loose-laid	Min. 2.0-inch Ultra HD Composite Insulation	Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.0 ft^2	TPO-SA	-82.5
S-318.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min 1-inch, loose-laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.0 ft^2	TPO-SA	-82.5
S-319.	Min. 22 ga., Type B, Grade 80 steel	One or more layers, any combination, min 1-inch, loose-laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.0 ft^2	TPO-SA	-127.5

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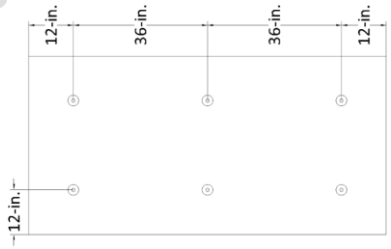
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
EVERGUARD TPO / EVERGUARD TPO 1121 BONDING ADHESIVE OR EVERGUARD TPO 3 SQUARE LOW VOC BONDING ADHESIVE:							
S-320.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard RA	Note 2	1 per 3.2 ft²	TPO-1121 or TPO-3SQ	-30.0*
S-321.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2; 6 parts per min. 4 x 8 ft board with parts installed 36-inch o.c. in two parallel rows, 12 inches from the 8 ft edges of the board	1 per 5.3 ft²	TPO-1121 or TPO-3SQ	-30.0*
S-322.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft²	TPO-1121 or TPO-3SQ	-30.0*
S-323.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Drill-Tec #12 Fastener, Drill-Tec #14 Fastener, Drill-Tec #12 DP Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate or Drill-Tec AccuTrac Flat Plate, Drill-Tec #12 DF Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec 3" ASAP Flat	1 per 4.0 ft²	TPO-1121	-30.0*
S-324.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Note 2 	1 per 5.3 ft²	TPO-1121 or TPO-3SQ	-30.0*
S-325.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation, EnergyGuard RA	Note 2	1 per 2.7 ft²	TPO-1121 or TPO-3SQ	-37.5*
S-326.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.7 ft²	TPO-1121 or TPO-3SQ	-37.5*
S-327.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2 *(Drill-Tec 3" Standard Steel Plate only)*	1 per 2.7 ft²	TPO-1121 or TPO-3SQ	-45.0*

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TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-328.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2 *(Drill-Tec 3" Steel Plate or Drill-Tec 3" Flat Steel Plate only)*	1 per 2.1 ft²	TPO-1121 or TPO-3SQ	-45.0*
S-329.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.0 ft²	TPO-1121 or TPO-3SQ	-45.0*
S-330.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.5-inch DensDeck or DensDeck Prime	Note 2	1 per 3.2 ft²	TPO-1121 or TPO-3SQ	-45.0*
S-331.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.625-inch DensDeck or DensDeck Prime	Note 2	1 per 4.0 ft²	TPO-1121 or TPO-3SQ	-45.0*
S-332.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S	1 per 3.2 ft²	TPO-1121 or TPO-3SQ	-45.0*
S-333.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.5-inch DensDeck Prime or min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S	1 per 4.0 ft²	TPO-1121 or TPO-3SQ	-45.0*
S-334.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Drill-Tec #12 Fastener, Drill-Tec #14 Fastener, Drill-Tec #12 DP Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate or Drill-Tec AccuTrac Flat Plate, Drill-Tec #12 DF Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec 3" ASAP Flat	1 per 3.2 ft²	TPO-1121	-45.0*
S-335.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Drill-Tec #12 Fastener, Drill-Tec #14 Fastener, Drill-Tec #12 DP Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate or Drill-Tec AccuTrac Flat Plate, Drill-Tec #12 DF Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec 3" ASAP Flat	1 per 4.0 ft²	TPO-1121	-45.0*
S-336.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft²	TPO-1121 or TPO-3SQ	-45.0*
S-337.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft²	TPO-1121 or TPO-3SQ	-45.0*
S-338.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft²	TPO-1121 or TPO-3SQ	-45.0*

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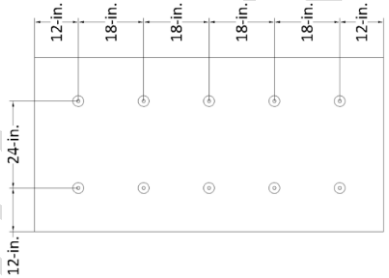
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-339.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 7/16-inch OSB	Note 2	1 per 4.0 ft²	TPO-1121 or TPO-3SQ	-45.0*
S-340.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 7/16-inch OSB	Note 2	1 per 2.0 ft²	TPO-1121 or TPO-3SQ	-45.0*
S-341.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Note 2 	1 per 3.2 ft²	TPO-1121 or TPO-3SQ	-45.0*
S-342.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 2.0 ft²	TPO-1121 or TPO-3SQ	-45.0*
S-343.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation, EnergyGuard RA	Note 2	1 per 2.0 ft²	TPO-1121 or TPO-3SQ	-45.0*
S-344.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 2.3 ft²	TPO-1121 or TPO-3SQ	-45.0
S-345.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 4.0 ft²	TPO-1121 or TPO-3SQ	-45.0*
S-346.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation, EnergyGuard RA	Note 2	1 per 4.0 ft²	TPO-1121 or TPO-3SQ	-45.0*

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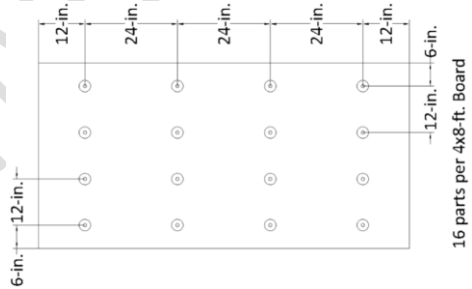
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-347.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination, min 0.5-inch, loose-laid	Min. 2.0-inch Ultra HD Composite Insulation	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 5.3 ft²	TPO-1121 or TPO-3SQ	-45.0*
S-348.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft²	TPO-1121 or TPO-3SQ	-52.5
S-349.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 1.8 ft²	TPO-1121 or TPO-3SQ	-60.0
S-350.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2 	1 per 2.0 ft²	TPO-1121 or TPO-3SQ	-60.0
S-351.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination, min 0.5-inch, loose-laid	Min. 2.0-inch Ultra HD Composite Insulation	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 2.1 ft²	TPO-1121 or TPO-3SQ	-60.0
S-352.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1.5-inch	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat)	1 per 1.45 ft²	TPO-1121 or TPO-3SQ	-67.5
S-353.	Min. 20 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation	Drill-Tec #12 (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3 in Ribbed Galvalume Plate	1 per 1.6 ft²	TPO-1121 or TPO-3SQ	-67.5
S-354.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft²	TPO-1121 or TPO-3SQ	-67.5

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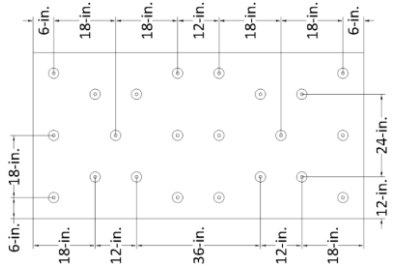
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-355.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch DensDeck Prime	Drill-Tec #12 Fastener, Drill-Tec #12 DF Fastener or Drill-Tec #12 DP Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate or Drill-Tec 3" Steel Plate	1 per 2.0 ft²	TPO-1121 or TPO-3SQ	-67.5
S-356.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener, Drill-Tec #12 DF Fastener or Drill-Tec #12 DP Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" Flat Steel Plate	1 per 2.0 ft²	TPO-1121 or TPO-3SQ	-67.5
S-357.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch Structodek High Density Roof Fiberboard	Note 2	1 per 1.0 ft²	TPO-1121 or TPO-3SQ	-67.5
S-358.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination, min 0.5-inch, loose-laid	Min. 2.0-inch Ultra HD Composite Insulation	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.6 ft²	TPO-1121 or TPO-3SQ	-67.5
S-359.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, min. 1.5-inch top insulation	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation or EnergyGuard RA	Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #12 DPH Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate, Drill-Tec AccuTrac Recessed Plate, Drill-Tec 3" Flat Steel Plate or Drill-Tec 3" Recessed Steel Plate	1 per 1.45 ft²	TPO-1121	-82.5
S-360.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch DensDeck Prime	Drill-Tec #12 Fastener, Drill-Tec #12 DF Fastener or Drill-Tec #12 DP Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate or Drill-Tec 3" Steel Plate 	1 per 1.45 ft²	TPO-1121 or TPO-3SQ	-82.5

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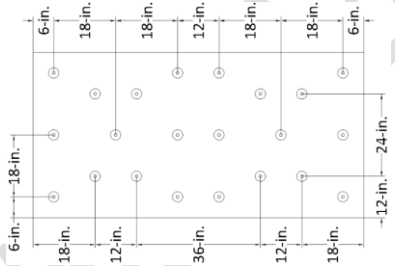
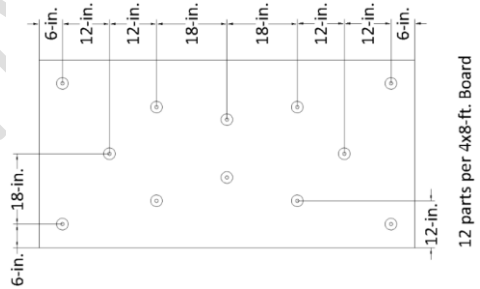
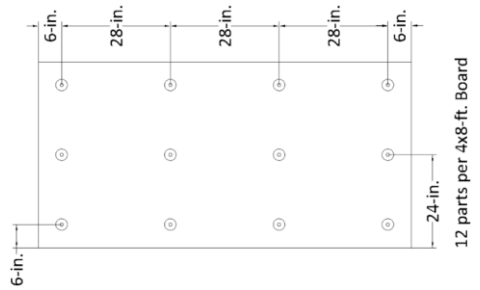
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	**Deck (Note 1)**	**Base Insulation Layer (Note 13)**	**Top Insulation Layer**			**Roof Cover (Note 15)**	**MDP (psf)**
			Type	**Fasten (Note 11)**	**Attach (Note 17)**		
S-361.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener, Drill-Tec #12 DF Fastener or Drill-Tec #12 DP Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" Flat Steel Plate 	1 per 1.45 ft^2	TPO-1121 or TPO-3SQ	-82.5
S-362.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 2.7 ft^2	TPO-1121	-82.5
S-363.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 2.7 ft^2	TPO-1121	-82.5

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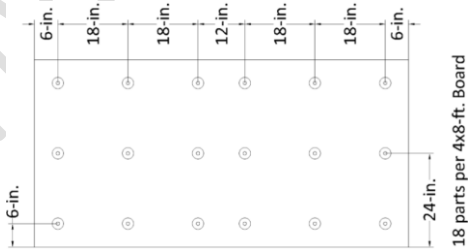
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-364.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination, min 0.5-inch, loose-laid	Min. 2.0-inch Ultra HD Composite Insulation	Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.0 ft²	TPO-1121 or TPO-3SQ	-82.5
S-365.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min 1-inch, loose-laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.0 ft²	TPO-1121 or TPO-3SQ	-82.5
S-366.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.0 ft²	TPO-1121 or TPO-3SQ	-97.5
S-367.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat)  	1 per 1.8 ft²	TPO-1121	-97.5
S-368.	Min. 22 ga., Type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat)	1 per 1.0 ft²	TPO-1121 or TPO-3SQ	-112.5
S-369.	Min. 22 ga., Type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch DensDeck Prime	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec XHD Fastener (steel only) or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" Flat Steel Plate	1 per 1.0 ft²	TPO-1121	-127.5

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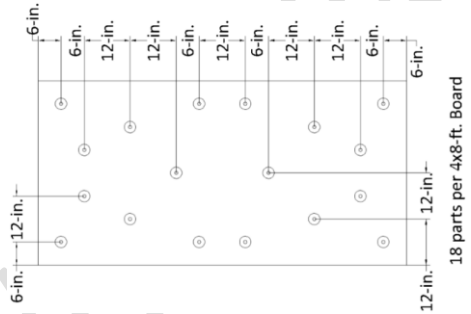
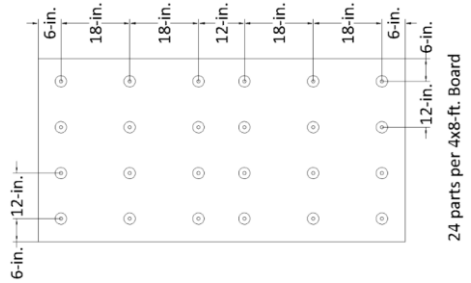
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-370.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.8 ft²	TPO-1121	-127.5
S-371.	Min. 22 ga., Type B, Grade 80 steel	One or more layers, any combination, min 1-inch, loose-laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.0 ft²	TPO-1121 or TPO-3SQ	-127.5
S-372.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.3 ft²	TPO-1121	-135.0

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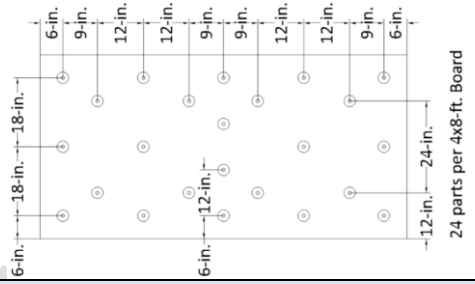
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-373.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.3 ft²	TPO-1121	-142.5
EVERGUARD TPO / EVERGUARD WB181 BONDING ADHESIVE:							
S-374.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard RA	Note 2	1 per 3.2 ft²	TPO-WB	-30.0*
S-375.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2 6 parts per min. 4 x 8 ft board with parts installed 36-inch o.c. in two parallel rows, 12 inches from the 8 ft edges of the board	1 per 5.3 ft²	TPO-WB	-30.0*
S-376.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate or Drill-Tec ASAP 3S	1 per 4.0 ft²	TPO-WB	-30.0*
S-377.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Drill-Tec #12 Fastener, Drill-Tec #14 Fastener, Drill-Tec #12 DP Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate or Drill-Tec AccuTrac Flat Plate, Drill-Tec #12 DF Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec 3" ASAP Flat	1 per 4.0 ft²	TPO-WB	-30.0*
S-378.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation, EnergyGuard RA	Note 2	1 per 2.7 ft²	TPO-WB	-37.5*
S-379.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.0 ft²	TPO-WB	-45.0*
S-380.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.5-inch DensDeck Prime	Note 2	1 per 3.2 ft²	TPO-WB	-45.0*

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TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-381.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.5-inch DensDeck Prime	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft²	TPO-WB	-45.0*
S-382.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.625-inch DensDeck Prime	Note 2	1 per 4.0 ft²	TPO-WB	-45.0*
S-383.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Drill-Tec #12 Fastener, Drill-Tec #14 Fastener, Drill-Tec #12 DP Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate or Drill-Tec AccuTrac Flat Plate, Drill-Tec #12 DF Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec 3" ASAP Flat	1 per 3.2 ft²	TPO-WB	-45.0*
S-384.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Drill-Tec #12 Fastener, Drill-Tec #14 Fastener, Drill-Tec #12 DP Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate or Drill-Tec AccuTrac Flat Plate, Drill-Tec #12 DF Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec 3" ASAP Flat	1 per 4.0 ft²	TPO-WB	-45.0*
S-385.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft²	TPO-WB	-45.0*
S-386.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft²	TPO-WB	-45.0*
S-387.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 2.0 ft²	TPO-WB	-45.0*
S-388.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation, EnergyGuard RA	Note 2	1 per 2.0 ft²	TPO-WB	-45.0*
S-389.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 4.0 ft²	TPO-WB	-45.0*

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TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-390.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RA	Note 2	1 per 4.0 ft²	TPO-WB	-45.0*
S-391.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.25-inch DensDeck Prime	Note 2	1 per 1.45 ft²	TPO-WB	-52.5
S-392.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft²	TPO-WB	-52.5
S-393.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1.5-inch	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat)	1 per 1.45 ft²	TPO-WB	-67.5
S-394.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft²	TPO-WB	-67.5
S-395.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	Note 2	1 per 1.0 ft²	TPO-WB	-67.5
S-396.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch DensDeck Prime	Drill-Tec #12 (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec XHD Fastener (steel only) or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" Flat Steel Plate	1 per 1.6 ft²	TPO-WB	-75.0
S-397.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, #12 HWH Teks 5 screws 6" o.c.	(Optional) One or more layers, min. 1.5-inch top insulation	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation or EnergyGuard RA	Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #12 DPH Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate, Drill-Tec AccuTrac Recessed Plate, Drill-Tec 3" Flat Steel Plate or Drill-Tec 3" Recessed Steel Plate	1 per 1.45 ft²	TPO-WB	-82.5
S-398.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch DensDeck Prime	Drill-Tec #12 (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec XHD Fastener (steel only) or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" Flat Steel Plate	1 per 1.0 ft²	TPO-WB	-82.5
S-399.	Min. 22 ga., Type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat)	1 per 1.0 ft²	TPO-WB	-112.5
S-400.	Min. 22 ga., Type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch DensDeck Prime	Drill-Tec #12 (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec XHD Fastener (steel only) or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" Flat Steel Plate	1 per 1.0 ft²	TPO-WB	-127.5

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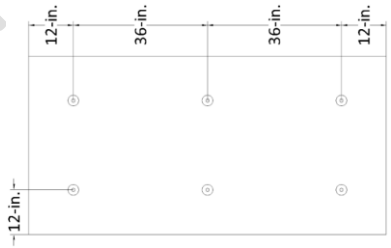
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
EVERGUARD TPO / EVERGUARD TPO 6 SQUARE LOW VOC BONDING ADHESIVE OR EVERGUARD TPO 3 SQUARE LOW VOC BONDING ADHESIVE:							
S-401.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard RA	Note 2	1 per 3.2 ft²	TPO-3SQ or TPO-6SQ	-30.0*
S-402.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2; 6 parts per min. 4 x 8 ft board with parts installed 36-inch o.c. in two parallel rows, 12 inches from the 8 ft edges of the board	1 per 5.3 ft²	TPO-3SQ or TPO-6SQ	-30.0*
S-403.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate or Drill-Tec ASAP 3S	1 per 4.0 ft²	TPO-3SQ or TPO-6SQ	-30.0*
S-404.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Drill-Tec #12 Fastener, Drill-Tec #14 Fastener, Drill-Tec #12 DP Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate or Drill-Tec AccuTrac Flat Plate, Drill-Tec #12 DF Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec 3" ASAP Flat	1 per 4.0 ft²	TPO-6SQ	-30.0*
S-405.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Note 2 	1 per 5.3 ft²	TPO-3SQ or TPO-6SQ	-30.0*
S-406.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation, EnergyGuard RA	Note 2	1 per 2.7 ft²	TPO-3SQ or TPO-6SQ	-37.5*
S-407.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.7 ft²	TPO-3SQ or TPO-6SQ	-37.5*
S-408.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2 *(Drill-Tec 3" Standard Steel Plate only)*	1 per 2.7 ft²	TPO-3SQ or TPO-6SQ	-45.0*
S-409.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2 *(Drill-Tec 3" Steel Plate or Drill-Tec 3" Flat Steel Plate only)*	1 per 2.1 ft²	TPO-3SQ or TPO-6SQ	-45.0*

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TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-410.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.0 ft²	TPO-3SQ or TPO-6SQ	-45.0*
S-411.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.5-inch DensDeck Prime	Note 2	1 per 3.2 ft²	TPO-3SQ or TPO-6SQ	-45.0*
S-412.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.625-inch DensDeck Prime	Note 2	1 per 4.0 ft²	TPO-3SQ or TPO-6SQ	-45.0*
S-413.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Drill-Tec #12 Fastener, Drill-Tec #14 Fastener, Drill-Tec #12 DP Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate or Drill-Tec AccuTrac Flat Plate, Drill-Tec #12 DF Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec 3" ASAP Flat	1 per 3.2 ft²	TPO-6SQ	-45.0*
S-414.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Drill-Tec #12 Fastener, Drill-Tec #14 Fastener, Drill-Tec #12 DP Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate or Drill-Tec AccuTrac Flat Plate, Drill-Tec #12 DF Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec 3" ASAP Flat	1 per 4.0 ft²	TPO-6SQ	-45.0*
S-415.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft²	TPO-3SQ or TPO-6SQ	-45.0*
S-416.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft²	TPO-3SQ or TPO-6SQ	-45.0*
S-417.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft²	TPO-3SQ or TPO-6SQ	-45.0*
S-418.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2	1 per 1.45 ft²	TPO-3SQ or TPO-6SQ	-45.0

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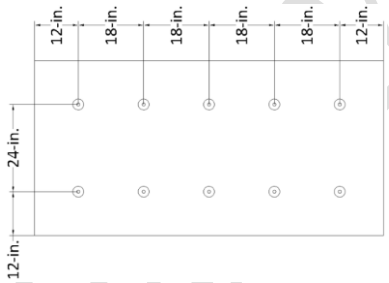
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-419.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2 	1 per 3.2 ft²	TPO-3SQ or TPO-6SQ	-45.0*
S-420.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 2.0 ft²	TPO-3SQ or TPO-6SQ	-45.0*
S-421.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation, EnergyGuard RA	Note 2	1 per 2.0 ft²	TPO-3SQ or TPO-6SQ	-45.0*
S-422.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 2.3 ft²	TPO-3SQ or TPO-6SQ	-45.0
S-423.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 4.0 ft²	TPO-3SQ or TPO-6SQ	-45.0*
S-424.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation, EnergyGuard RA	Note 2	1 per 4.0 ft²	TPO-3SQ or TPO-6SQ	-45.0*
S-425.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft²	TPO-3SQ or TPO-6SQ	-52.5

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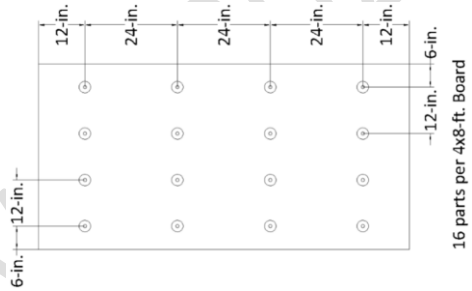
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-426.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 1.8 ft²	TPO-3SQ or TPO-6SQ	-60.0
S-427.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2 	1 per 2.0 ft²	TPO-3SQ or TPO-6SQ	-60.0
S-428.	Min. 20 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Drill-Tec #12 (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3 in Ribbed Galvalume Plate	1 per 1.6 ft²	TPO-3SQ or TPO-6SQ	-67.5
S-429.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft²	TPO-3SQ or TPO-6SQ	-67.5
S-430.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch Structodek High Density Roof Fiberboard	Note 2	1 per 1.0 ft²	TPO-3SQ or TPO-6SQ	-67.5
S-431.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch DensDeck Prime	Drill-Tec #12 (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec XHD Fastener (steel only) or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" Flat Steel Plate	1 per 1.6 ft²	TPO-3SQ	-75.0

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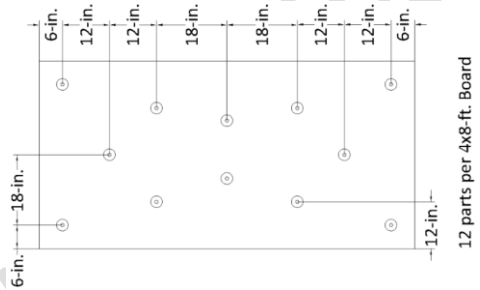
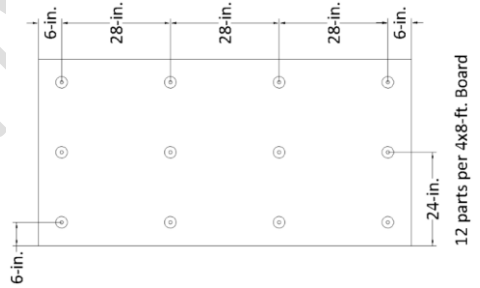
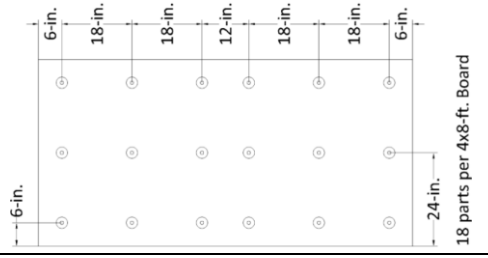
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-432.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 2.7 ft²	TPO-6SQ	-82.5
S-433.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 2.7 ft²	TPO-6SQ	-82.5
S-434.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.8 ft²	TPO-6SQ	-97.5
S-435.	Min. 22 ga., Type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch DensDeck Prime	Drill-Tec #12 (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec XHD Fastener (steel only) or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" Flat Steel Plate	1 per 1.0 ft²	TPO-3SQ	-127.5

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TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

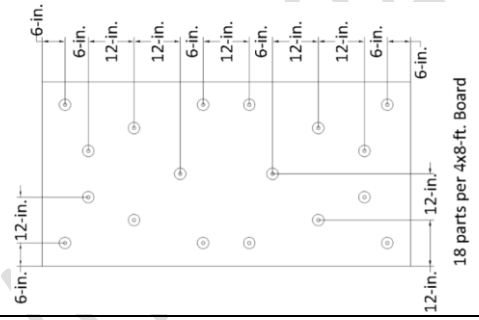
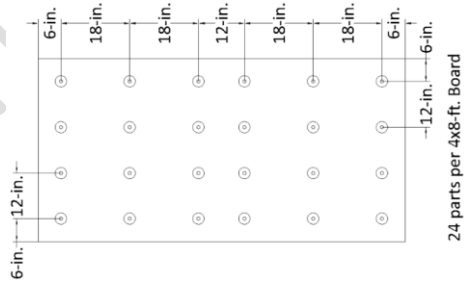
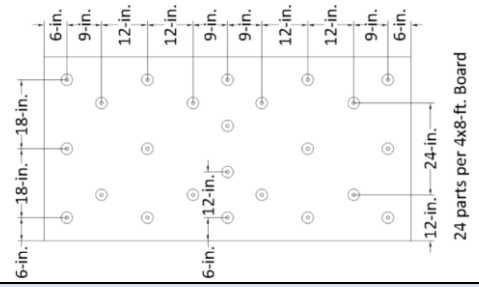
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-436.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.8 ft²	TPO-6SQ	-127.5
S-437.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.3 ft²	TPO-6SQ	-135.0
S-438.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.3 ft²	TPO-6SQ	-142.5
EVERGUARD TPO / EVERGUARD TPO QUICK SPRAY ADHESIVE:							

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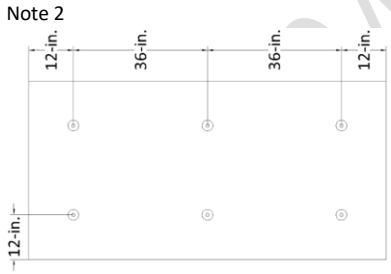
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-439.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Note 2 	1 per 5.3 ft²	TPO-QSA	-30.0*
S-440.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Drill-Tec #12 Fastener, Drill-Tec #14 Fastener, Drill-Tec #12 DP Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate or Drill-Tec AccuTrac Flat Plate, Drill-Tec #12 DF Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec 3" ASAP Flat	1 per 4.0 ft²	TPO-QSA	-30.0*
S-441.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2 *(Drill-Tec 3" Standard Steel Plate only)*	1 per 2.7 ft²	TPO-QSA	-45.0*
S-442.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2 *(Drill-Tec 3" Steel Plate or Drill-Tec 3" Flat Steel Plate only)*	1 per 2.1 ft²	TPO-QSA	-45.0*
S-443.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.0 ft²	TPO-QSA	-45.0*
S-444.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 0.5-inch DensDeck Prime	Note 2	1 per 3.2 ft²	TPO-QSA	-45.0*
S-445.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 0.625-inch DensDeck Prime	Note 2	1 per 4.0 ft²	TPO-QSA	-45.0*
S-446.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S	1 per 3.2 ft²	TPO-QSA	-45.0*
S-447.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.5-inch DensDeck Prime or min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S	1 per 4.0 ft²	TPO-QSA	-45.0*

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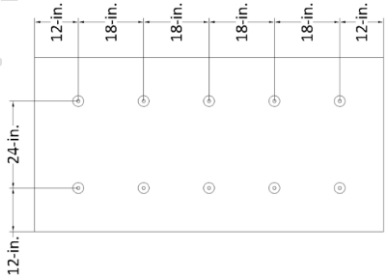
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-448.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Drill-Tec #12 Fastener, Drill-Tec #14 Fastener, Drill-Tec #12 DP Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate or Drill-Tec AccuTrac Flat Plate, Drill-Tec #12 DF Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec 3" ASAP Flat	1 per 3.2 ft²	TPO-QSA	-45.0*
S-449.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Drill-Tec #12 Fastener, Drill-Tec #14 Fastener, Drill-Tec #12 DP Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate or Drill-Tec AccuTrac Flat Plate, Drill-Tec #12 DF Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec 3" ASAP Flat	1 per 4.0 ft²	TPO-QSA	-45.0*
S-450.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft²	TPO-QSA	-45.0*
S-451.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2 	1 per 3.2 ft²	TPO-QSA	-45.0*
S-452.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 2.0 ft²	TPO-QSA	-45.0*
S-453.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation or EnergyGuard RA	Note 2	1 per 2.0 ft²	TPO-QSA	-45.0*
S-454.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 4.0 ft²	TPO-QSA	-45.0*

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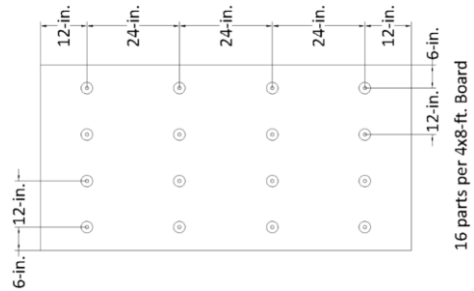
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-455.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RA	Note 2	1 per 4.0 ft²	TPO-QSA	-45.0*
S-456.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 2.3 ft²	TPO-QSA	-45.0
S-457.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination, min 0.5-inch, loose-laid	Min. 2.0-inch Ultra HD Composite Insulation	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 5.3 ft²	TPO-QSA	-45.0*
S-458.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DensDeck Prime	Note 2	1 per 1.8 ft²	TPO-QSA	-52.5
S-459.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 1.8 ft²	TPO-QSA	-60.0
S-460.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2 	1 per 2.0 ft²	TPO-QSA	-60.0
S-461.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RA	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec XHD Fastener (steel only) with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3" Steel Plate or Drill-Tec AccuTrac Flat Plate	1 per 1.45 ft²	TPO-QSA	-60.0
S-462.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate or Drill-Tec ASAP 3S	1 per 1.45 ft²	TPO-QSA	-60.0

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TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-463.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination, min 0.5-inch, loose-laid	Min. 2.0-inch Ultra HD Composite Insulation	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 2.1 ft²	TPO-QSA	-60.0
S-464.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1.5-inch	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat)	1 per 1.45 ft²	TPO-QSA	-67.5
S-465.	Min. 20 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Drill-Tec #12 (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3 in Ribbed Galvalume Plate	1 per 1.6 ft²	TPO-QSA	-67.5
S-466.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch DensDeck Prime	Drill-Tec #12 Fastener, Drill-Tec #12 DF Fastener or Drill-Tec #12 DP Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate or Drill-Tec 3" Steel Plate	1 per 2.0 ft²	TPO-QSA	-67.5
S-467.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener, Drill-Tec #12 DF Fastener or Drill-Tec #12 DP Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" Flat Steel Plate	1 per 2.0 ft²	TPO-QSA	-67.5
S-468.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination, min 0.5-inch, loose-laid	Min. 2.0-inch Ultra HD Composite Insulation	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.6 ft²	TPO-QSA	-67.5
S-469.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RA	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec XHD Fastener (steel only) with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3" Steel Plate or Drill-Tec AccuTrac Flat Plate	1 per 1.45 ft²	TPO-QSA	-75.0
S-470.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, min. 1.5-inch top insulation	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation or EnergyGuard RA	Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #12 DPH Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec AccuTrac Recessed Plate, Drill-Tec 3" Flat Steel Plate or Drill-Tec 3" Recessed Steel Plate	1 per 1.45 ft²	TPO-QSA	-82.5
S-471.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec XHD Fastener (steel only) with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3" Steel Plate or Drill-Tec AccuTrac Flat Plate	1 per 1.45 ft²	TPO-QSA	-82.5
S-472.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, min. 2-inch	Min. 0.25-inch DensDeck Prime	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec XHD Fastener (steel only) with Drill-Tec 3" Standard Steel Plate or Drill-Tec AccuTrac Flat Plate	1 per 1.45 ft²	TPO-QSA	-82.5

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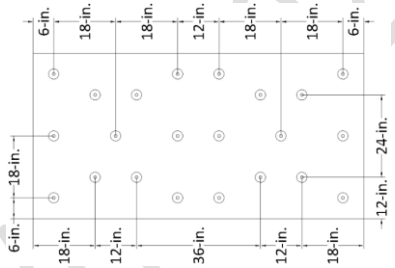
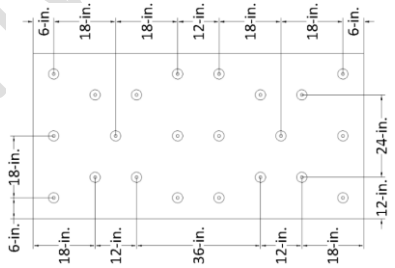
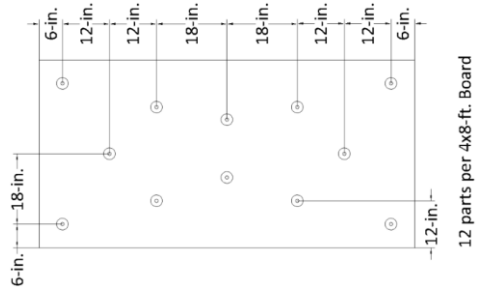
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-473.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch DensDeck Prime	Drill-Tec #12 Fastener, Drill-Tec #12 DF Fastener or Drill-Tec #12 DP Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate or Drill-Tec 3" Steel Plate 	1 per 1.45 ft²	TPO-QSA	-82.5
S-474.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener, Drill-Tec #12 DF Fastener or Drill-Tec #12 DP Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" Flat Steel Plate 	1 per 1.45 ft²	TPO-QSA	-82.5
S-475.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 2.7 ft²	TPO-QSA	-82.5

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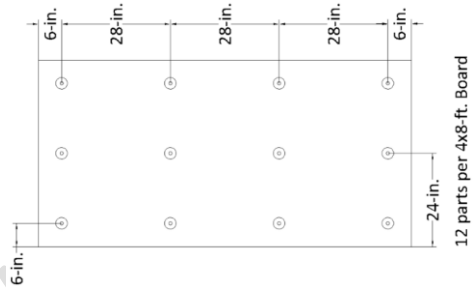
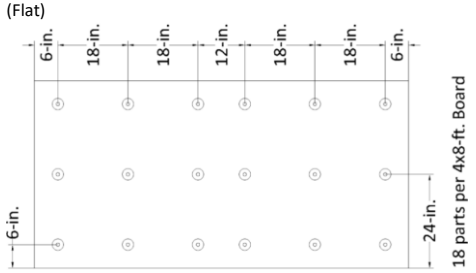
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-476.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 2.7 ft²	TPO-QSA	-82.5
S-477.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination, min 0.5-inch, loose-laid	Min. 2.0-inch Ultra HD Composite Insulation	Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.0 ft²	TPO-QSA	-82.5
S-478.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min 1-inch, loose-laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.0 ft²	TPO-QSA	-82.5
S-479.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.8 ft²	TPO-QSA	-97.5
S-480.	Min. 22 ga., Type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat)	1 per 1.0 ft²	TPO-QSA	-112.5

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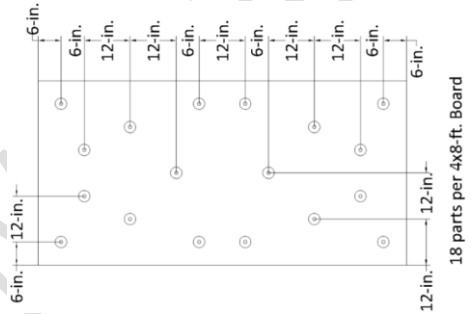
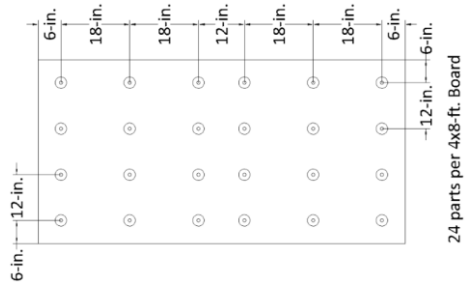
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-481.	Min. 22 ga., Type B, Grade 80 steel or structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch DensDeck Prime	Drill-Tec #12 (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec XHD Fastener (steel only) or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" Flat Steel Plate	1 per 1.0 ft²	TPO-QSA	-127.5
S-482.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.8 ft²	TPO-QSA	-127.5
S-483.	Min. 22 ga., Type B, Grade 80 steel	One or more layers, any combination, min 1-inch, loose-laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.0 ft²	TPO-QSA	-127.5
S-484.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.3 ft²	TPO-QSA	-135.0

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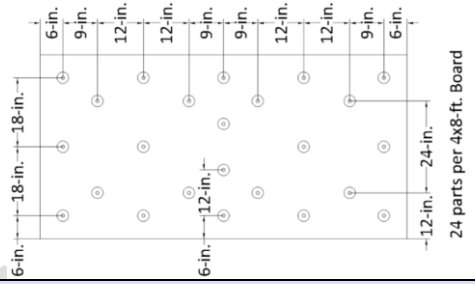
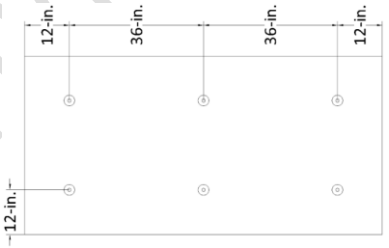
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-485.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.3 ft²	TPO-QSA	-142.5
EVERGUARD TPO / EVERGUARD TPO QUICK SPRAY ADHESIVE LV 50:							
S-486.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Note 2 	1 per 5.3 ft²	TPO-QSALV50	-30.0*
S-487.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Drill-Tec #12 Fastener, Drill-Tec #14 Fastener, Drill-Tec #12 DP Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate or Drill-Tec AccuTrac Flat Plate, Drill-Tec #12 DF Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec 3" ASAP Flat	1 per 4.0 ft²	TPO-QSALV50	-30.0*
S-488.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Drill-Tec #12 Fastener, Drill-Tec #14 Fastener, Drill-Tec #12 DP Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate or Drill-Tec AccuTrac Flat Plate, Drill-Tec #12 DF Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec 3" ASAP Flat	1 per 3.2 ft²	TPO-QSALV50	-45.0*
S-489.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Drill-Tec #12 Fastener, Drill-Tec #14 Fastener, Drill-Tec #12 DP Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate or Drill-Tec AccuTrac Flat Plate, Drill-Tec #12 DF Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec 3" ASAP Flat	1 per 4.0 ft²	TPO-QSALV50	-45.0*

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TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

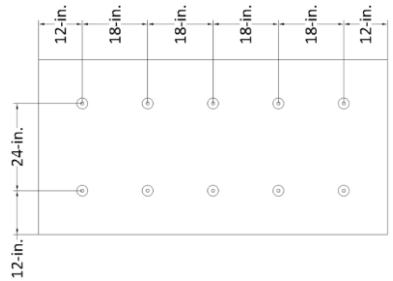
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-490.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft²	TPO-QSALV50	-45.0*
S-491.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft²	TPO-QSALV50	-45.0*
S-492.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.5-inch DensDeck Prime or min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S	1 per 4.0 ft²	TPO-QSALV50	-45.0*
S-493.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft²	TPO-QSALV50	-45.0*
S-494.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft²	TPO-QSALV50	-45.0*
S-495.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2 	1 per 3.2 ft²	TPO-QSALV50	-45.0*
S-496.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 2.0 ft²	TPO-QSALV50	-45.0*
S-497.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation or EnergyGuard RA	Note 2	1 per 2.0 ft²	TPO-QSALV50	-45.0*

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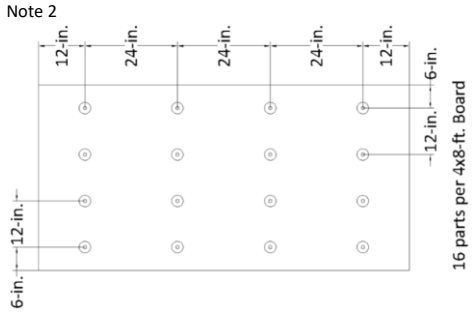
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-498.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 4.0 ft²	TPO-QSALV50	-45.0*
S-499.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RA	Note 2	1 per 4.0 ft²	TPO-QSALV50	-45.0*
S-500.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 2.3 ft²	TPO-QSALV50	-45.0
S-501.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination, min 0.5-inch, loose-laid	Min. 2.0-inch Ultra HD Composite Insulation	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 5.3 ft²	TPO-QSALV50	-45.0*
S-502.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fibrer Roof Board	Note 2	1 per 1.8 ft²	TPO-QSALV50	-52.5
S-503.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RA	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec XHD Fastener (steel only) with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3" Steel Plate or Drill-Tec AccuTrac Flat Plate	1 per 1.45 ft²	TPO-QSALV50	-60.0
S-504.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 1.8 ft²	TPO-QSALV50	-60.0
S-505.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2 	1 per 2.0 ft²	TPO-QSALV50	-60.0

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TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-506.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate or Drill-Tec ASAP 3S	1 per 1.45 ft^2	TPO-QSALV50	-60.0
S-507.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1.5-inch	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat)	1 per 1.45 ft^2	TPO-QSALV50	-67.5
S-508.	Min. 20 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Drill-Tec #12 (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3 in Ribbed Galvalume Plate	1 per 1.6 ft^2	TPO-QSALV50	-67.5
S-509.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft^2	TPO-QSALV50	-67.5
S-510.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch DensDeck Prime	Drill-Tec #12 Fastener, Drill-Tec #12 DF Fastener or Drill-Tec #12 DP Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate or Drill-Tec 3" Steel Plate	1 per 2.0 ft^2	TPO-QSALV50	-67.5
S-511.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener, Drill-Tec #12 DF Fastener or Drill-Tec #12 DP Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" Flat Steel Plate	1 per 2.0 ft^2	TPO-QSALV50	-67.5
S-512.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination, min 0.5-inch, loose-laid	Min. 2.0-inch Ultra HD Composite Insulation	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.6 ft^2	TPO-QSALV50	-67.5
S-513.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RA	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec XHD Fastener (steel only) with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3" Steel Plate or Drill-Tec AccuTrac Flat Plate	1 per 1.45 ft^2	TPO-QSALV50	-75.0
S-514.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, min. 1.5-inch top insulation	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation or EnergyGuard RA	Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #12 DPH Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec AccuTrac Recessed Plate, Drill-Tec 3" Flat Steel Plate or Drill-Tec 3" Recessed Steel Plate	1 per 1.45 ft^2	TPO-QSALV50	-82.5
S-515.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec XHD Fastener (steel only) with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3" Steel Plate or Drill-Tec AccuTrac Flat Plate	1 per 1.45 ft^2	TPO-QSALV50	-82.5

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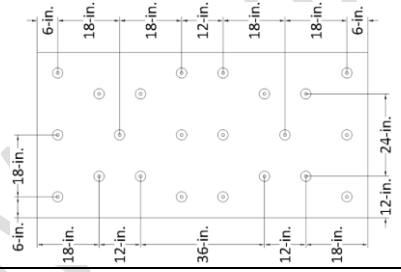
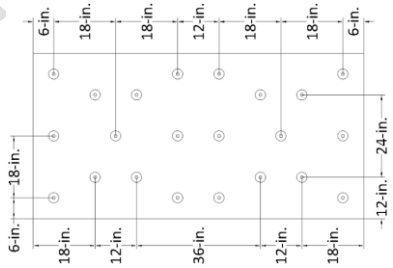
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-516.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, min. 2-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec XHD Fastener (steel only) with Drill-Tec AccuTrac Flat Plate	1 per 1.45 ft^2	TPO-QSALV50	-82.5
S-517.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch DensDeck Prime	Drill-Tec #12 Fastener, Drill-Tec #12 DF Fastener or Drill-Tec #12 DP Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate or Drill-Tec 3" Steel Plate 	1 per 1.45 ft^2	TPO-QSALV50	-82.5
S-518.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener, Drill-Tec #12 DF Fastener or Drill-Tec #12 DP Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" Flat Steel Plate 	1 per 1.45 ft^2	TPO-QSALV50	-82.5

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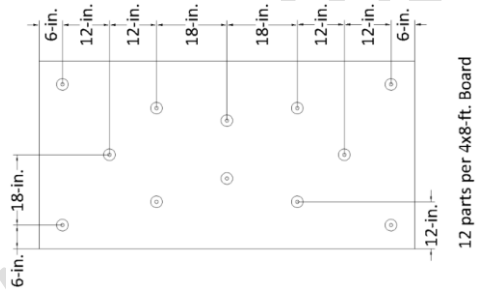
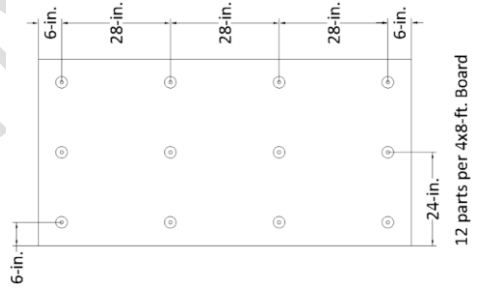
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-519.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat)  	1 per 2.7 ft²	TPO-QSALV50	-82.5
S-520.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat)  	1 per 2.7 ft²	TPO-QSALV50	-82.5
S-521.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination, min 0.5-inch, loose-laid	Min. 2.0-inch Ultra HD Composite Insulation	Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.0 ft²	TPO-QSALV50	-82.5
S-522.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min 1-inch, loose-laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.0 ft²	TPO-QSALV50	-82.5
S-523.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.0 ft²	TPO-QSALV50	-97.5

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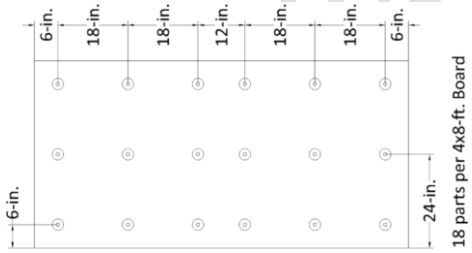
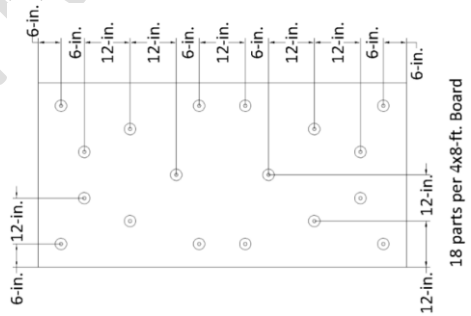
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-524.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.8 ft²	TPO-QSALV50	-97.5
S-525.	Min. 22 ga., Type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat)	1 per 1.0 ft²	TPO-QSALV50	-112.5
S-526.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.8 ft²	TPO-QSALV50	-127.5
S-527.	Min. 22 ga., Type B, Grade 80 steel	One or more layers, any combination, min 1-inch, loose-laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.0 ft²	TPO-QSALV50	-127.5

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TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

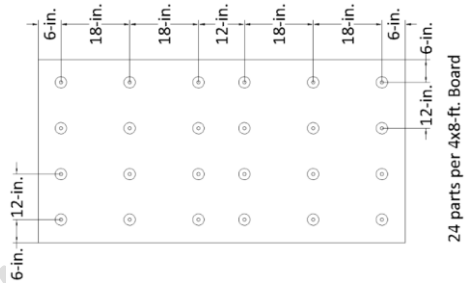
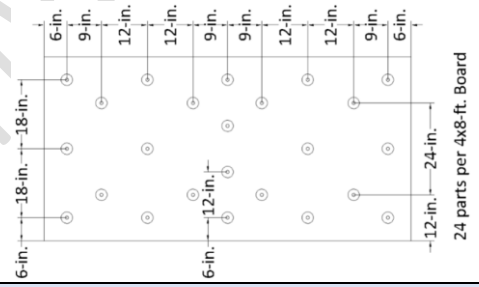
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-528.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.3 ft²	TPO-QSALV50	-135.0
S-529.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.3 ft²	TPO-QSALV50	-142.5
TRIPOSITE ROOFING SYSTEM:							
S-530.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation, EnergyGuard RA	Note 2	1 per 2.0 ft²	Triposite System / Note 15C	-45.0*
S-531.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation, EnergyGuard RA	Note 2	1 per 3.2 ft²	Triposite System / Note 15C	-45.0*
S-532.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation or EnergyGuard RA	Note 2	1 per 2.0 ft²	Triposite System / Note 15C	-60.0

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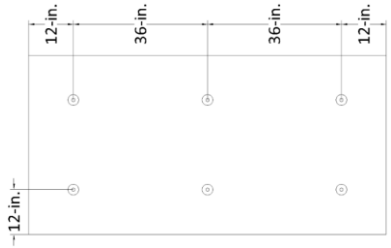
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-533.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation or EnergyGuard RA	Note 2	1 per 1.45 ft²	Triposite System / Note 15C	-75.0
HYBRID SYSTEMS:							
S-534.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft²	Hybrid System / Note 15D	-45.0*
EVERGUARD TPO FLEECE-BACK MEMBRANE OR EVERGUARD TPO FLEECE-BACK MEMBRANE 100, 115 OR 135 IN HOT ASPHALT:							
S-535.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2	1 per 1.8 ft²	TPOFB-HA1 or TPOFB-HA2	-45.0*
EVERGUARD TPO FLEECE-BACK MEMBRANE OR EVERGUARD TPO FLEECE-BACK MEMBRANE 100, 115 OR 135 IN EVERGUARD WB181 BONDING ADHESIVE:							
S-536.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard RA	Note 2	1 per 3.2 ft²	TPOFB-WB1	-30.0*
S-537.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2; 6 parts per min. 4 x 8 ft board with parts installed 36-inch o.c. in two parallel rows, 12 inches from the 8 ft edges of the board	1 per 5.3 ft²	TPOFB-WB1	-30.0*
S-538.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft²	TPOFB-WB1	-30.0*
S-539.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Note 2 	1 per 5.3 ft²	TPOFB-WB1	-30.0*
S-540.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation, EnergyGuard RA	Note 2	1 per 2.7 ft²	TPOFB-WB1	-37.5*

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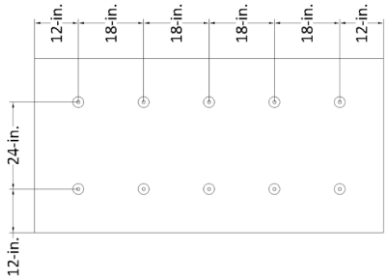
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-541.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation, EnergyGuard RA	Note 2	1 per 2.0 ft²	TPOFB-WB1	-45.0*
S-542.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 4.0 ft²	TPOFB-WB1	-45.0*
S-543.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 3.2 ft²	TPOFB-WB1	-45.0*
S-544.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft²	TPOFB-WB1	-45.0*
S-545.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S	1 per 3.2 ft²	TPOFB-WB1	-45.0*
S-546.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.5-inch DensDeck Prime or min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S	1 per 4.0 ft²	TPOFB-WB1	-45.0*
S-547.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Note 2 	1 per 3.2 ft²	TPOFB-WB1	-45.0*

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TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-548.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination, min 0.5-inch, loose-laid	Min. 2.0-inch Ultra HD Composite Insulation	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 5.3 ft²	TPOFB-WB1, TPOFB-WB2	-45.0*
S-549.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft²	TPOFB-WB1	-52.5
S-550.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination, min 0.5-inch, loose-laid	Min. 2.0-inch Ultra HD Composite Insulation	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 2.1 ft²	TPOFB-WB1, TPOFB-WB2	-60.0
S-551.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft²	TPOFB-WB1	-67.5
S-552.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1.5-inch	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat)	1 per 1.45 ft²	TPOFB-WB1	-67.5
S-553.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination, min 0.5-inch, loose-laid	Min. 2.0-inch Ultra HD Composite Insulation	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.6 ft²	TPOFB-WB1, TPOFB-WB2	-67.5
S-554.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination, min 0.5-inch, loose-laid	Min. 2.0-inch Ultra HD Composite Insulation	Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.0 ft²	TPOFB-WB1, TPOFB-WB2	-67.5
S-555.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min 1-inch, loose-laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.0 ft²	TPOFB-WB1, TPOFB-WB2	-67.5
S-556.	Min. 22 ga., Type B, Grade 80 steel	One or more layers, any combination, min 1-inch, loose-laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.0 ft²	TPOFB-WB1, TPOFB-WB2	-67.5

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TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-557.	Min. 22 ga., Type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat)	1 per 1.0 ft²	TPOFB-WB1	-112.5
EVERGUARD TPO FLEECE-BACK MEMBRANE OR EVERGUARD TPO FLEECE-BACK MEMBRANE 100, 115 OR 135 IN LRF ADHESIVE M OR LRF ADHESIVE O:							
S-558.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 4.0 ft²	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-30.0*
S-559.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation, EnergyGuard RA	Note 2	1 per 2.7 ft²	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-37.5*
S-560.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RA	Note 2	1 per 4.0 ft²	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-37.5*
S-561.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.75-inch ACFoam Composite/GB	Note 2	1 per 5.3 ft²	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-37.5*
S-562.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2 *(Drill-Tec 3" Standard Steel Plate, AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate only)*	1 per 2.0 ft²	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-37.5*
S-563.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation, EnergyGuard RA	Note 2	1 per 2.0 ft²	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0*
S-564.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 2.3 ft²	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0
S-565.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation, EnergyGuard RA	Note 2	1 per 2.9 ft²	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0*
S-566.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.75-inch ACFoam Composite/GB	Note 2	1 per 5.3 ft²	TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0*

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TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-567.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2 *(Drill-Tec 3" Standard Steel Plate, AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate only)*	1 per 2.0 ft²	TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0*
S-568.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 *(Drill-Tec 3" Standard Steel Plate, AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate only)*	1 per 2.0 ft²	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0*
S-569.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft²	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-52.5
S-570.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 1.3 ft²	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0
S-571.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 1.3 ft²	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-67.5
S-572.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate or with Drill-Tec ASAP 3S	1 per 4.0 ft²	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-30.0*
S-573.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.0 ft²	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-45.0*
S-574.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft²	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-45.0*
S-575.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2	1 per 1.3 ft²	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-60.0
S-576.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft²	TPOFB-LM2 or TPOFB-LO2 (4-inch o.c.)	-60.0
S-577.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft²	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-67.5

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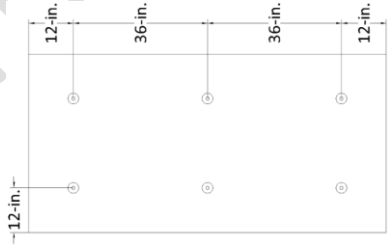
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
EVERGUARD TPO FLEECE-BACK MEMBRANE OR EVERGUARD TPO FLEECE-BACK MEMBRANE 100, 115 OR 135 IN SPATTER APPLICATIONS:							
S-578.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2; 6 parts per min. 4 x 8 ft board with parts installed 36-inch o.c. in two parallel rows, 12 inches from the 8 ft edges of the board	1 per 5.3 ft²	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-30.0*
S-579.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft²	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-30.0*
S-580.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Drill-Tec #12 Fastener, Drill-Tec #14 Fastener, Drill-Tec #12 DP Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate or Drill-Tec AccuTrac Flat Plate, Drill-Tec #12 DF Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec 3" ASAP Flat	1 per 4.0 ft²	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-30.0*
S-581.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Note 2 	1 per 5.3 ft²	TPOFB-LM1, TPOFB-LM2, TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-30.0*
S-582.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 2.7 ft²	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-37.5*
S-583.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation	Note 2	1 per 2.0 ft²	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-584.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 2.3 ft²	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0

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TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-585.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 4.0 ft²	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-586.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Ultra	Note 2	1 per 2.9 ft²	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-587.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.0 ft²	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-588.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	5/8 x 48 x 48-inch DensDeck StormX Prime Roof Board	Drill-Tec #12 Fastener, Drill-Tec #12 DF Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" DF Steel Insulation Plate, Drill-Tec AccuTrac Flat Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Flat Steel Plate or Drill-Tec 3" Standard Steel Plate	1 per 4.0 ft²	TPOFB-LM1, TPOFB-LM2, TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-589.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	5/8 x 48 x 96-inch DensDeck StormX Prime Roof Board	Drill-Tec #12 Fastener, Drill-Tec #12 DF Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" DF Steel Insulation Plate, Drill-Tec AccuTrac Flat Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Flat Steel Plate or Drill-Tec 3" Standard Steel Plate	1 per 5.3 ft²	TPOFB-LM1, TPOFB-LM2, TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-590.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Drill-Tec #12 Fastener, Drill-Tec #14 Fastener, Drill-Tec #12 DP Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate or Drill-Tec AccuTrac Flat Plate, Drill-Tec #12 DF Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec 3" ASAP Flat	1 per 3.2 ft²	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-591.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Drill-Tec #12 Fastener, Drill-Tec #14 Fastener, Drill-Tec #12 DP Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Flat Steel Plate or Drill-Tec AccuTrac Flat Plate, Drill-Tec #12 DF Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec 3" ASAP Flat	1 per 4.0 ft²	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-592.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft²	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*

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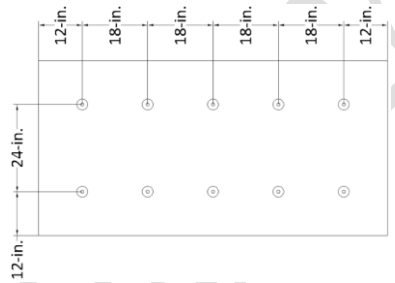
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-593.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2 	1 per 3.2 ft²	TPOFB-LM1, TPOFB-LM2, TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-594.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination, min 0.5-inch, loose-laid	Min. 2.0-inch Ultra HD Composite Insulation	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 5.3 ft²	TPOFB-LM1 (spatter), TPOFB-LM2 (spatter),TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-595.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft²	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5
S-596.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation	Note 2	1 per 1.3 ft²	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0
S-597.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft²	TPOFB-OB2 or TPOFB-XF2	-60.0
S-598.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination, min 0.5-inch, loose-laid	Min. 2.0-inch Ultra HD Composite Insulation	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 2.1 ft²	TPOFB-LM1 (spatter), TPOFB-LM2 (spatter),TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0
S-599.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1.5-inch	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat)	1 per 1.45 ft²	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-67.5
S-600.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft²	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-67.5

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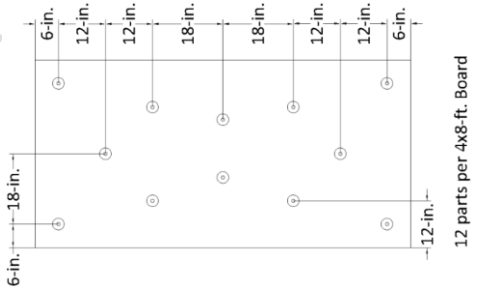
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-601.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination, min 0.5-inch, loose-laid	Min. 2.0-inch Ultra HD Composite Insulation	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.6 ft²	TPOFB-LM1 (spatter), TPOFB-LM2 (spatter),TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-67.5
S-602.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1.5-inch	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board	Drill Tec #12 DF Fastener or Drill Tec #14 DF Fastener with Drill Tec 3" DF Steel Insulation Plate, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate, Drill-Tec ASAP 3S or Drill-Tec 3" ASAP Flat	1 per 1.45 ft²	TPOFB-OB2 or TPOFB-XF2	-75.0
S-603.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1.5-inch	Min. 0.4375-inch DEXcell Cement Roof Board	Drill-Tec #12 Fastener, Drill Tec #12 DF Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill Tec #14 DF Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill Tec 3" DF Steel Insulation Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate or Drill-Tec AccuTrac Flat Plate	1 per 2.0 ft²	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-75.0
S-604.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat)  	1 per 2.7 ft²	TPOFB-XF1	-82.5

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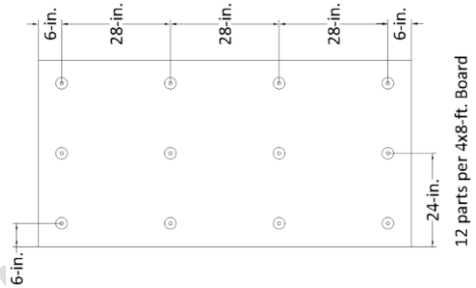
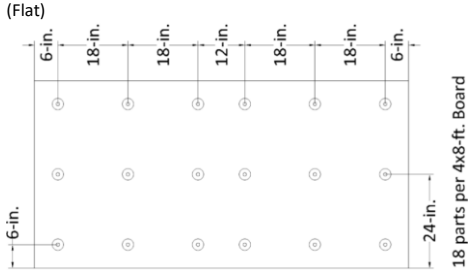
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-605.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 2.7 ft²	TPOFB-XF1	-82.5
S-606.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination, min 0.5-inch, loose-laid	Min. 2.0-inch Ultra HD Composite Insulation	Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.0 ft²	TPOFB-LM1 (spatter), TPOFB-LM2 (spatter),TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-82.5
S-607.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min 1-inch, loose-laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.0 ft²	TPOFB-LM1 (spatter), TPOFB-LM2 (spatter),TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-82.5
S-608.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.8 ft²	TPOFB-XF1	-97.5
S-609.	Min. 22 ga., Type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat)	1 per 1.0 ft²	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-112.5

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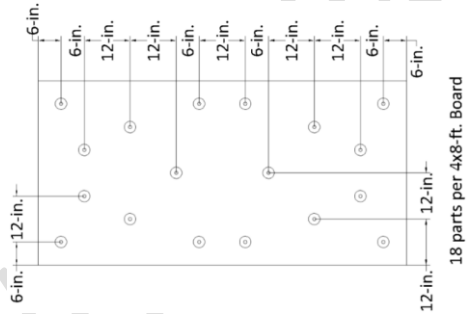
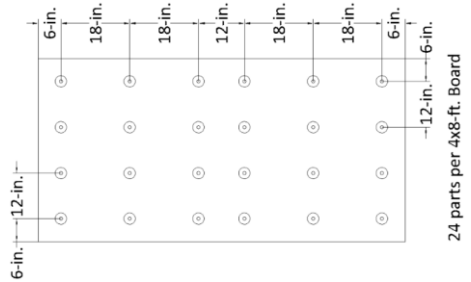
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-610.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.8 ft²	TPOFB-XF1	-127.5
S-611.	Min. 22 ga., Type B, Grade 80 steel	One or more layers, any combination, min 1-inch, loose-laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 DF Fastener, Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec #15 DF Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Flat Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill Tec 3" DF Steel Insulation Plate	1 per 1.0 ft²	TPOFB-LM1 (spatter), TPOFB-LM2 (spatter),TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-127.5
S-612.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.3 ft²	TPOFB-XF1	-135.0
S-613.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, any combination, min. 1.5-inch	Min. 0.4375-inch DEXcell Cement Roof Board	Drill-Tec #12 Fastener, Drill Tec #12 DF Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill Tec #14 DF Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill Tec 3" DF Steel Insulation Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate or Drill-Tec AccuTrac Flat Plate	1 per 1.0 ft²	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-135.0

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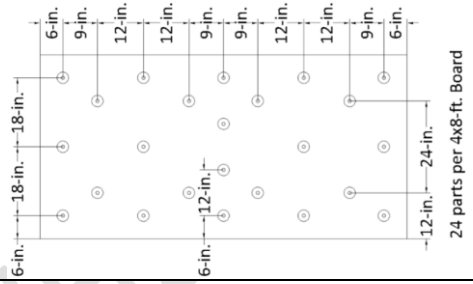
TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-614.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.3 ft²	TPOFB-XF1	-142.5

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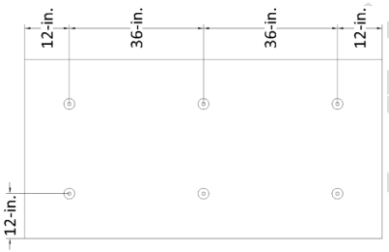
TABLE 2G: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED BASE AND CAP PLY								
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)	Base Ply	Cap Ply	
COLD-APPLIED BASE PLY:								
S-615.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #12 DF Fastener (steel only), Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec ASAP 3S (steel only), Drill-Tec 3" ASAP Flat (steel only) or Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate.	1 per 4.0 ft²	SBS-CA1	TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-30.0*
S-616.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Note 2 	1 per 5.3 ft²	SBS-CA1	TPOFB-LM1, TPOFB-LM2, TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-30.0*
S-617.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination, min 0.5-inch, loose-laid	Min. 2.0-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	Drill-Tec #12 DF Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener with Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate, Drill-Tec AccuTrac Recessed Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" Recessed Steel Plate or Drill-Tec ASAP 3S, Drill-Tec 3" ASAP Flat, Drill-Tec 3" ASAP Recessed, Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate	1 per 5.3 ft²	SBS-CA1	TPOFB-LM1, TPOFB-LM2, TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-30.0*
S-618.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.5-inch DensDeck Prime or min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #12 DF Fastener (steel only), Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec ASAP 3S (steel only), Drill-Tec 3" ASAP Flat (steel only) or Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate.	1 per 4.0 ft²	SBS-CA1	TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-619.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #12 DF Fastener (steel only), Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec ASAP 3S (steel only), Drill-Tec 3" ASAP Flat (steel only) or Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate.	1 per 3.2 ft²	SBS-CA1	TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*

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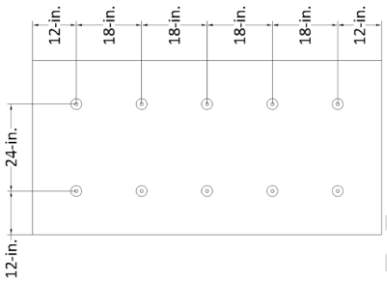
TABLE 2G: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED BASE AND CAP PLY								
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)	Base Ply	Cap Ply	
S-620.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	Note 2 	1 per 3.2 ft²	SBS-CA1	TPOFB-LM1, TPOFB-LM2, TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-621.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener or with Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate, Drill-Tec AccuTrac Recessed Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" Recessed Steel Plate or Drill-Tec #12 DF Fastener (steel only) or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate or or Drill-Tec ASAP 3S (steel only), Drill-Tec 3" ASAP Flat (steel only), Drill-Tec 3" ASAP Recessed (steel only) or Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate.	1 per 2.0 ft²	SBS-CA1	TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-622.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination, min 0.5-inch, loose-laid	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	Drill-Tec #12 DF Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener with Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate, Drill-Tec AccuTrac Recessed Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" Recessed Steel Plate or Drill-Tec ASAP 3S, Drill-Tec 3" ASAP Flat, Drill-Tec 3" ASAP Recessed, Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate	1 per 3.2 ft²	SBS-CA1	TPOFB-LM1, TPOFB-LM2, TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-623.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination, min 0.5-inch, loose-laid	Min. 2.0-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	Drill-Tec #12 DF Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener with Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate, Drill-Tec AccuTrac Recessed Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" Recessed Steel Plate or Drill-Tec ASAP 3S, Drill-Tec 3" ASAP Flat, Drill-Tec 3" ASAP Recessed, Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate	1 per 4.0 ft²	SBS-CA1	TPOFB-LM1, TPOFB-LM2, TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*

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TABLE 2G: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED BASE AND CAP PLY								
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)	Base Ply	Cap Ply	
S-624.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #12 DF Fastener (steel only), Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec ASAP 3S (steel only), Drill-Tec 3" ASAP Flat (steel only) or Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate.	1 per 1.6 ft²	SBS-CA1	TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5
S-625.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #12 DF Fastener (steel only), Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec ASAP 3S (steel only), Drill-Tec 3" ASAP Flat (steel only) or Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate.	1 per 2.0 ft²	SBS-CA1	TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0
S-626.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener or with Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate, Drill-Tec AccuTrac Recessed Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" Recessed Steel Plate or Drill-Tec #12 DF Fastener (steel only) or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate or or Drill-Tec ASAP 3S (steel only), Drill-Tec 3" ASAP Flat (steel only), Drill-Tec 3" ASAP Recessed (steel only) or Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate.	1 per 1.45 ft²	SBS-CA1	TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0
S-627.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.5-inch DensDeck Prime	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #12 DF Fastener (steel only), Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec ASAP 3S (steel only), Drill-Tec 3" ASAP Flat (steel only) or Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate.	1 per 1.6 ft²	SBS-CA1	TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-67.5
S-628.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #12 DF Fastener (steel only), Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec ASAP 3S (steel only), Drill-Tec 3" ASAP Flat (steel only) or Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate.	1 per 1.3 ft²	SBS-CA1	TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-67.5

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TABLE 2G: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED BASE AND CAP PLY								
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)	Base Ply	Cap Ply	
S-629.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination, min 0.5-inch, loose-laid	Min. 2.0-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	Drill-Tec #12 DF Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener with Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate, Drill-Tec AccuTrac Recessed Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" Recessed Steel Plate or Drill-Tec ASAP 3S, Drill-Tec 3" ASAP Flat, Drill-Tec 3" ASAP Recessed, Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate	1 per 1.8 ft²	SBS-CA1	TPOFB-LM1, TPOFB-LM2, TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-67.5
ASPHALT-APPLIED BASE PLY:								
S-630.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #12 DPH Fastener (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft²	SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-LO1 (12-inch o.c.), TPOFB-LO2 (12-inch o.c.), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-30.0*
S-631.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #12 DPH Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft²	SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-LO1 (12-inch o.c.), TPOFB-LO2 (12-inch o.c.), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-632.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #12 DPH Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate	1 per 3.2 ft²	SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-LO1 (12-inch o.c.), TPOFB-LO2 (12-inch o.c.), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-633.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #12 DPH Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate	1 per 1.6 ft²	SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-LO1 (12-inch o.c.), TPOFB-LO2 (12-inch o.c.), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5
S-634.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #12 DPH Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate	1 per 1.3 ft²	SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-LO1 (12-inch o.c.), TPOFB-LO2 (12-inch o.c.), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0
TORCH-APPLIED BASE PLY:								
S-635.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #12 DPH Fastener (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft²	SBS-TA	TPOFB-HA1, TPOFB-HA2, TPOFB-LO1 (12-inch o.c.), TPOFB-LO2 (12-inch o.c.), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-30.0*

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TABLE 2G: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED BASE AND CAP PLY								
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)	Base Ply	Cap Ply	
S-636.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #12 DF Fastener (steel only), Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec ASAP 3S (steel only), Drill-Tec 3" ASAP Flat (steel only) or Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate.	1 per 4.0 ft²	SBS-TA	TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-30.0*
S-637.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #12 DPH Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft²	SBS-TA	TPOFB-HA1, TPOFB-HA2, TPOFB-LO1 (12-inch o.c.), TPOFB-LO2 (12-inch o.c.), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-638.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.5-inch DensDeck Prime or min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #12 DF Fastener (steel only), Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec ASAP 3S (steel only), Drill-Tec 3" ASAP Flat (steel only) or Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate.	1 per 4.0 ft²	SBS-TA	TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-639.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #12 DPH Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate	1 per 3.2 ft²	SBS-TA	TPOFB-HA1, TPOFB-HA2, TPOFB-LO1 (12-inch o.c.), TPOFB-LO2 (12-inch o.c.), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-640.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #12 DF Fastener (steel only), Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec ASAP 3S (steel only), Drill-Tec 3" ASAP Flat (steel only) or Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate.	1 per 3.2 ft²	SBS-TA	TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-641.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #12 DPH Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate	1 per 1.6 ft²	SBS-TA	TPOFB-HA1, TPOFB-HA2, TPOFB-LO1 (12-inch o.c.), TPOFB-LO2 (12-inch o.c.), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5
S-642.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #12 DF Fastener (steel only), Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec ASAP 3S (steel only), Drill-Tec 3" ASAP Flat (steel only) or Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate.	1 per 1.6 ft²	SBS-TA	TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5

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TABLE 2G: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED BASE AND CAP PLY								
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)	Base Ply	Cap Ply	
S-643.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #12 DF Fastener (steel only), Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec ASAP 3S (steel only), Drill-Tec 3" ASAP Flat (steel only) or Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate.	1 per 2.0 ft²	SBS-TA	TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0
S-644.	Min. 22 ga., type B, Grade 40 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.45 ft²	SBS-TA	TPOFB-HA1, TPOFB-HA2, TPOFB-LO1 (12-inch o.c.), TPOFB-LO2 (12-inch o.c.), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0
S-645.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #12 DPH Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate	1 per 1.3 ft²	SBS-TA	TPOFB-HA1, TPOFB-HA2, TPOFB-LO1 (12-inch o.c.), TPOFB-LO2 (12-inch o.c.), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0
S-646.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.5-inch DensDeck Prime	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #12 DF Fastener (steel only), Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec ASAP 3S (steel only), Drill-Tec 3" ASAP Flat (steel only) or Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate.	1 per 1.6 ft²	SBS-TA	TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-67.5
S-647.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #12 DF Fastener (steel only), Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener or Drill-Tec #14 DF Fastener with Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" DF Steel Insulation Plate or Drill-Tec ASAP 3S (steel only), Drill-Tec 3" ASAP Flat (steel only) or Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate.	1 per 1.3 ft²	SBS-TA	TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-67.5
SELF-ADHERING BASE PLY:								
S-648.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #12 DPH Fastener (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft²	SBS-SA	TPOFB-HA1, TPOFB-HA2, TPOFB-LO1 (12-inch o.c.), TPOFB-LO2 (12-inch o.c.), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-30.0*
S-649.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #12 DPH Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft²	SBS-SA	TPOFB-HA1, TPOFB-HA2, TPOFB-LO1 (12-inch o.c.), TPOFB-LO2 (12-inch o.c.), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*

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TABLE 2G: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED BASE AND CAP PLY

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)	Base Ply	Cap Ply	
S-650.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #12 DPH Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate	1 per 3.2 ft²	SBS-SA	TPOFB-HA1, TPOFB-HA2, TPOFB-LO1 (12-inch o.c.), TPOFB-LO2 (12-inch o.c.), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0*
S-651.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #12 DPH Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate	1 per 1.6 ft²	SBS-SA	TPOFB-HA1, TPOFB-HA2, TPOFB-LO1 (12-inch o.c.), TPOFB-LO2 (12-inch o.c.), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5
S-652.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #12 DPH Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate	1 per 1.3 ft²	SBS-SA	TPOFB-HA1, TPOFB-HA2, TPOFB-LO1 (12-inch o.c.), TPOFB-LO2 (12-inch o.c.), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0

TABLE 2H: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1A: THERMAL BARRIER WITH VAPOR BARRIER, MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Thermal Barrier / Vapor Barrier	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
EVERGUARD SA TPO:							
S-653.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation or EnergyGuard RA	Note 2	1 per 2.0 ft²	TPO-SA	-45.0*
S-654.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 2-inch EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation or EnergyGuard RA	Note 2	1 per 4.0 ft²	TPO-SA	-45.0*
S-655.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA, loose laid, followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft²	TPO-SA	-45.0*
S-656.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 2-inch EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation or EnergyGuard RA	Note 2 (#14)	1 per 2.0 ft²	TPO-SA	-52.5
EVERGUARD TPO / EVERGUARD TPO 1121 BONDING ADHESIVE OR EVERGUARD TPO 3 SQUARE LOW VOC BONDING ADHESIVE:							
S-657.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation, EnergyGuard RA	Note 2	1 per 2.0 ft²	TPO-1121 or TPO-3SQ	-45.0*
S-658.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 2-inch EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation, EnergyGuard RA	Note 2	1 per 4.0 ft²	TPO-1121 or TPO-3SQ	-45.0*

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TABLE 2H: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1A: THERMAL BARRIER WITH VAPOR BARRIER, MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Thermal Barrier / Vapor Barrier	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-659.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA, loose laid, followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft²	TPO-1121 or TPO-3SQ	-45.0*
S-660.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA, loose laid, followed by min. 0.5-inch DensDeck Prime	Note 2	1 per 3.2 ft²	TPO-1121 or TPO-3SQ	-45.0*
S-661.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA, loose laid, followed by min. 0.625-inch DensDeck Prime	Note 2	1 per 4.0 ft²	TPO-1121 or TPO-3SQ	-45.0*
S-662.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA, loose laid, followed by min. 0.25-inch DensDeck Prime	Note 2	1 per 1.45 ft²	TPO-1121 or TPO-3SQ	-52.5
S-663.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA, loose laid, followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft²	TPO-1121 or TPO-3SQ	-52.5
EVERGUARD TPO / EVERGUARD WB181 BONDING ADHESIVE:							
S-664.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation, EnergyGuard RA	Note 2	1 per 2.0 ft²	TPO-WB	-45.0*
S-665.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 2-inch EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation, EnergyGuard RA	Note 2	1 per 4.0 ft²	TPO-WB	-45.0*
S-666.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA, loose laid, followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft²	TPO-WB	-45.0*
S-667.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA, loose laid, followed by min. 0.5-inch DensDeck Prime	Note 2	1 per 3.2 ft²	TPO-WB	-45.0*
S-668.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA, loose laid, followed by min. 0.625-inch DensDeck Prime	Note 2	1 per 4.0 ft²	TPO-WB	-45.0*
S-669.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA, loose laid, followed by min. 0.25-inch DensDeck Prime	Note 2	1 per 1.45 ft²	TPO-WB	-52.5
S-670.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA, loose laid, followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft²	TPO-WB	-52.5

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TABLE 2H: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1A: THERMAL BARRIER WITH VAPOR BARRIER, MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Thermal Barrier / Vapor Barrier	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
EVERGUARD TPO / EVERGUARD TPO 6 SQUARE LOW VOC BONDING ADHESIVE OR EVERGUARD TPO 3 SQUARE LOW VOC BONDING ADHESIVE:							
S-671.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation, EnergyGuard RA	Note 2	1 per 2.0 ft²	TPO-3SQ or TPO-6SQ	-45.0*
S-672.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 2-inch EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation, EnergyGuard RA	Note 2	1 per 4.0 ft²	TPO-3SQ or TPO-6SQ	-45.0*
S-673.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA, loose laid, followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft²	TPO-3SQ or TPO-6SQ	-45.0*
S-674.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA, loose laid, followed by min. 0.5-inch DensDeck Prime	Note 2	1 per 3.2 ft²	TPO-3SQ or TPO-6SQ	-45.0*
S-675.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA, loose laid, followed by min. 0.625-inch DensDeck Prime	Note 2	1 per 4.0 ft²	TPO-3SQ or TPO-6SQ	-45.0*
S-676.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA, loose laid, followed by min. 0.25-inch DensDeck Prime	Note 2	1 per 1.45 ft²	TPO-3SQ or TPO-6SQ	-52.5
S-677.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA, loose laid, followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft²	TPO-3SQ or TPO-6SQ	-52.5
EVERGUARD TPO FLEECE-BACK MEMBRANE IN EVERGUARD WB181 BONDING ADHESIVE:							
S-678.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation, EnergyGuard RA	Note 2	1 per 2.0 ft²	TPOFB-WB1	-45.0*
S-679.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 2-inch EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation, EnergyGuard RA	Note 2	1 per 4.0 ft²	TPOFB-WB1	-45.0*
S-680.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA, loose laid, followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft²	TPOFB-WB1	-45.0*
S-681.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA, loose laid, followed by min. 0.5-inch DensDeck Prime	Note 2	1 per 3.2 ft²	TPOFB-WB1	-45.0*

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TABLE 2H: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1A: THERMAL BARRIER WITH VAPOR BARRIER, MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Thermal Barrier / Vapor Barrier	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach (Note 17)		
S-682.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA, loose laid, followed by min. 0.625-inch DensDeck Prime	Note 2	1 per 4.0 ft²	TPOFB-WB1	-45.0*
S-683.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA, loose laid, followed by min. 0.25-inch DensDeck Prime	Note 2	1 per 1.45 ft²	TPOFB-WB1	-52.5
S-684.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA, loose laid, followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft²	TPOFB-WB1	-52.5
EVERGUARD TPO FLEECE-BACK MEMBRANE OR EVERGUARD TPO FLEECE-BACK MEMBRANE 100, 115 OR 135 IN LRF ADHESIVE M OR LRF ADHESIVE O:							
S-685.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation, EnergyGuard RA	Note 2	1 per 2.9 ft²	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0*
S-686.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA, loose laid, followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft²	TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0*
S-687.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA, loose laid, followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft²	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-45.0*
S-688.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 1.3 ft²	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0

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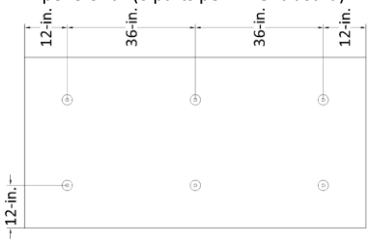
TABLE 2I: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, INDUCTION WELDED ROOF COVER						
System No.	**Deck** (Note 1)	**Insulation** (Note 13)	**Attachment**		**Roof Cover** (Note 15B)	**MDP** (psf)
			Fastener (Note 11)	**Density**		
S-689.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, 4 x 8 ft board	Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	24 x 48 inch grid 1 per 8.0 ft² (4 parts per 4 x 8 ft board)	EverGuard TPO induction welded	-30.0*
S-690.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, 4 x 8 ft board	Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	24 x 48 inch grid 1 per 8.0 ft² (4 parts per 4 x 8 ft board)	EverGuard Extreme TPO induction welded	-30.0*
S-691.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, prelim. attach (Note 17)	Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	Max. 18-inch o.c. in rows spaced max. 60-inch o.c.	EverGuard TPO induction welded	-30.0
S-692.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, prelim. attach (Note 17)	Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	Max. 12-inch o.c. in rows spaced max. 60-inch o.c.	EverGuard TPO induction welded	-37.5
S-693.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, prelim. attach (Note 17)	Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	Max. 18-inch o.c. in rows spaced max. 60-inch o.c.	EverGuard TPO induction welded	-37.5
S-694.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, 4 x 8 ft board;	Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	1 per 5.3 ft² (6 parts per 4 x 8 ft board)  	EverGuard TPO induction welded	-37.5
S-695.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, 4 x 8 ft board	Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	24 x 48 inch grid 1 per 8.0 ft² (4 parts per 4 x 8 ft board)	EverGuard TPO induction welded	-45.0*
S-696.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, 4 x 8 ft board	Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	24 x 48 inch grid 1 per 8.0 ft² (4 parts per 4 x 8 ft board)	EverGuard Extreme TPO induction welded	-45.0*
S-697.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, 4 x 8 ft board	Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	1 per 5.3 ft² (6 parts per 4 x 8 ft board) (Note 17)	EverGuard TPO induction welded	-45.0*

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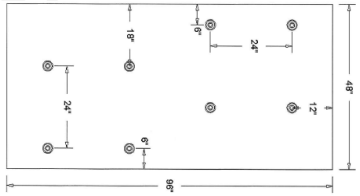
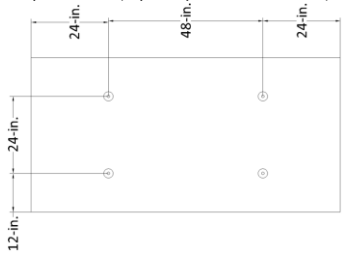
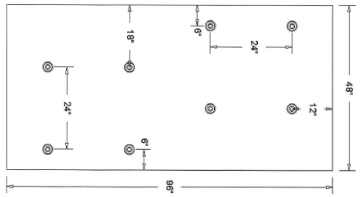
TABLE 2I: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, INDUCTION WELDED ROOF COVER						
System No.	**Deck** (Note 1)	**Insulation** (Note 13)	**Attachment**		**Roof Cover** (Note 15B)	**MDP** (psf)
			Fastener (Note 11)	**Density**		
S-698.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, 4 x 4 ft board	Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	1 per 4.0 ft² (4 parts per 4 x 4 ft board) (Note 17)	EverGuard TPO induction welded	-45.0*
S-699.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, prelim. attach (Note 17)	Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	Max. 12-inch o.c. in rows spaced max. 60-inch o.c.	EverGuard TPO induction welded	-45.0
S-700.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination	Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	Max. 24-inch o.c. in rows spaced max. 30-inch o.c.	EverGuard TPO induction welded	-52.5
S-701.	Min. 20 ga., type B, Grade 33 steel, 7 ft span	One or more layers, any combination, 4 x 8 ft board	Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	24 x 24 inch staggered grid 	EverGuard TPO induction welded	-52.5
S-702.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1.5-inch	Drill-Tec #15 EHD Fastener with Drill-Tec RhinoBond TPO XHD Plate	1 per 8.0 ft² (4 parts per 4 x 8 ft board) 	EverGuard TPO induction welded	-45.0*
S-703.	Min. 22 ga., type B, Grade 33 steel, 6 ft span	One or more layers, any combination, 4 x 8 ft board	Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	24 x 24 inch staggered grid 	EverGuard TPO induction welded	-60.0

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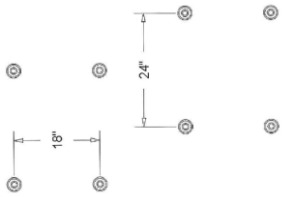
TABLE 2I: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, INDUCTION WELDED ROOF COVER						
System No.	**Deck** (Note 1)	**Insulation** (Note 13)	**Attachment**		**Roof Cover** (Note 15B)	**MDP** (psf)
			Fastener (Note 11)	**Density**		
S-704.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination	Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec SXHD and Drill-Tec RhinoBond TPO SXHD Plate	24 x 24 inch grid	EverGuard TPO induction welded	-60.0
S-705.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, prelim. attach (Note 17)	Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	Max. 6-inch o.c. in rows spaced max. 72-inch o.c.	EverGuard TPO induction welded	-67.5
S-706.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, 4 x 8 ft board	Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	24 x 24 inch grid 1 per 4.0 ft² (8 parts per 4 x 8 ft board)	EverGuard TPO, min. 60-mil, induction welded	-67.5
S-707.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, 4 x 8 ft board	Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	24 x 24 inch grid 1 per 4.0 ft² (8 parts per 4 x 8 ft board)	EverGuard Extreme TPO, min. 60-mil, induction welded	-67.5
S-708.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination	Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	1 per 2.7 ft² (12 parts per 4 x 8 ft board) (Note 17)	EverGuard TPO induction welded	-67.5
S-709.	Min. 22 ga., type B, Grade 40 steel	One or more layers, any combination	Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	18 x 24 inch staggered grid  	EverGuard TPO induction welded	-82.5
S-710.	Min. 22 ga., type B, Grade 40 steel	One or more layers, any combination	Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	1 per 2.7 ft² (12 parts per 4 x 8 ft board) (Note 17)	EverGuard TPO induction welded	-82.5
S-711.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, prelim. attach (Note 17)	Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	Max. 6-inch o.c. in rows spaced max. 72-inch o.c.	EverGuard TPO induction welded	-97.5
S-712.	Min. 22 ga., type B, Grade 60 steel	One or more layers, any combination, min. 2-inch	Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	18 x 16 inch grid, staggered 6-inch	EverGuard TPO induction welded	-105.0

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TABLE 2J: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-1: MECHANICALLY ATTACHED ROOF COVER								
System No.	Deck (Note 1)	Insulation (Note 13)		Separator Sheet (Optional)	Roof Cover (Note 15A)			MDP (psf)
		Type	Attach (Note 17)		Membrane	Fastener (Note 11)	Attachment	
EVERGUARD TPO:								
S-713.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO, min. 60-mil	Drill-Tec XHD Fastener with Drill-Tec 2-1/4" IR Plastic Plate	12-inch o.c. within 6-inch wide laps spaced 138-inch o.c. and sealed with a 1.5-inch heat weld	-22.5
S-714.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate or Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate	18-inch o.c. within 6-inch wide laps spaced 54-inch o.c. and sealed with a 1.5-inch heat weld.	-30.0
S-715.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO, min. 60-mil	Drill-Tec XHD Fastener with Drill-Tec 2-1/4" IR Plastic Plate	18-inch o.c. within 6-inch wide laps spaced 60-inch o.c. and sealed with a 1.5-inch heat weld	-30.0
S-716.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate or Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate	12-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-30.0
S-717.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO, min. 60-mil	Drill-Tec XHD Fastener with Drill-Tec 2-1/4" IR Plastic Plate	12-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld	-30.0
S-718.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate	12-inch o.c. within 5-inch wide laps spaced 115-inch o.c. and sealed with a 1.5-inch heat weld.	-30.0
S-719.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate or Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate	12-inch o.c. in rows spaced max. 114-inch o.c. An 8-inch wide cover strip is heat welded over the stress plates.	-30.0
S-720.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec SXHD Fastener with Drill-Tec 2-3/4 in. Barbed SXHD Plate	12-inch o.c. within 6-inch wide laps spaced 138-inch o.c. and sealed with a 1.5-inch heat weld.	-30.0
S-721.	Min. 22 ga., type B, Grade 60 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate or Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate	12-inch o.c. within 6-inch wide laps spaced 138-inch o.c. and sealed with a 1.5-inch heat weld.	-30.0
S-722.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener or Drill-Tec SXHD Fastener with Drill-Tec 2-3/4 in. Barbed SXHD Plate	12-inch o.c. within 6-inch wide laps spaced 138-inch o.c. and sealed with a 1.5-inch heat weld.	-30.0

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TABLE 2J: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-1: MECHANICALLY ATTACHED ROOF COVER								
System No.	Deck (Note 1)	Insulation (Note 13)		Separator Sheet (Optional)	Roof Cover (Note 15A)			MDP (psf)
		Type	Attach (Note 17)		Membrane	Fastener (Note 11)	Attachment	
S-723.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate or Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate	6-inch o.c. within 6-inch wide laps spaced 138-inch o.c. and sealed with a 1.5-inch heat weld.	-30.0
S-724.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2-3/8 in. Barbed XHD Plate or Drill-Tec 2-3/8 in. Double Barbed XHD Plate	12-inch o.c. within 6-inch wide laps spaced 90-inch o.c. and sealed with a 1.5-inch heat weld.	-37.5
S-725.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec #15 EHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec 2.4" Barbed Seam Plate, Drill-Tec 2.4" Scoop Seam Plate or Drill-Tec 2-3/8" DF Barbed Seam Plate	12-inch o.c. within 6-inch wide laps spaced 90-inch o.c. and sealed with a 1.5-inch heat weld.	-37.5
S-726.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO, min. 60-mil	Drill-Tec XHD Fastener with Drill-Tec 2-1/4" IR Plastic Plate	12-inch o.c. within 6-inch wide laps spaced 90-inch o.c. and sealed with a 1.5-inch heat weld	-37.5
S-727.	Min. 22 ga., type B, Grade 40 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec SXHD Fastener with Drill-Tec 2-3/4 in. Barbed SXHD Plate	12-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-37.5
S-728.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener or Drill-Tec SXHD Fastener with Drill-Tec 2-3/4 in. Barbed SXHD Plate	12-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-37.5
S-729.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate or Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate	12-inch o.c. within 5-inch wide laps spaced 115-inch o.c. and sealed with a 1.5-inch heat weld.	-37.5
S-730.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec SXHD Fastener with Drill-Tec 2-3/4 in. Barbed SXHD Plate	12-inch o.c. within 6-inch wide laps spaced 138-inch o.c. and sealed with a 1.5-inch heat weld.	-37.5
S-731.	Structural concrete	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec #14 Fastener with Drill-Tec 2-3/4 in. Barbed SXHD Plate	12-inch o.c. within 6-inch wide laps spaced 138-inch o.c. and sealed with a 1.5-inch heat weld.	-37.5
S-732.	Min. 20 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate or Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate	6-inch o.c. within 6-inch wide laps spaced 138-inch o.c. and sealed with a 1.5-inch heat weld.	-37.5

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TABLE 2J: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-1: MECHANICALLY ATTACHED ROOF COVER								
System No.	Deck (Note 1)	Insulation (Note 13)		Separator Sheet (Optional)	Roof Cover (Note 15A)			MDP (psf)
		Type	Attach (Note 17)		Membrane	Fastener (Note 11)	Attachment	
S-733.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate, Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate or Drill-Tec SXHD Fastener with Drill-Tec 2-3/4 in. Barbed SXHD Plate	12-inch o.c. within 6-inch wide laps spaced 54-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0
S-734.	Min. 22 ga., type B, Grade 33 steel	Min. 200 psi, min. 2-inch thick cellular lightweight concrete	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate, Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate or Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate	12-inch o.c. within 6-inch wide laps spaced 54-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0
S-735.	Min. 22 ga., type B, Grade 40 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate	12-inch o.c. within 6-inch wide laps spaced 66-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0
S-736.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO, min. 60-mil	Drill-Tec #15 EHD Fastener with Drill-Tec 2-3/8 in. Double Barbed XHD Plate	12-inch o.c. within 6-inch wide laps spaced 66-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0
S-737.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO, min. 60-mil	Drill-Tec XHD Fastener with Drill-Tec 2-1/4" IR Plastic Plate	12-inch o.c. within 6-inch wide laps spaced 66-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0
S-738.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec SXHD Fastener with Drill-Tec 2-3/4 in. Barbed SXHD Plate	12-inch o.c. within 6-inch wide laps spaced 90-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0
S-739.	Min. 20 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2-3/4 in. Barbed SXHD Plate	12-inch o.c. within 6-inch wide laps spaced 90-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0
S-740.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO or EverGuard Extreme TPO	Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener with Drill-Tec 2-3/8 in. Double Barbed XHD Plate	12-inch o.c. within 6-inch wide laps spaced 90-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0
S-741.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO, min. 60-mil	Drill-Tec XHD Fastener with Drill-Tec 2-1/4" IR Plastic Plate	6-inch o.c. within 6-inch wide laps spaced 90-inch o.c. and sealed with a 1.5-inch heat weld	-45.0
S-742.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate or Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate	6-inch o.c. within 5-inch wide laps spaced 114.5-inch o.c. and sealed with a 1.75-inch heat weld.	-45.0
S-743.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec SXHD Fastener with Drill-Tec 2-3/4 in. Barbed SXHD Plate	12-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0

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TABLE 2J: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-1: MECHANICALLY ATTACHED ROOF COVER								
System No.	Deck (Note 1)	Insulation (Note 13)		Separator Sheet (Optional)	Roof Cover (Note 15A)			MDP (psf)
		Type	Attach (Note 17)		Membrane	Fastener (Note 11)	Attachment	
S-744.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch EnergyGuard Polyiso Insulation	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate	6-inch o.c. within 6-inch wide laps spaced 138-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0
S-745.	Min. 22 ga., type B, Grade 60 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate, Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate or Drill-Tec SXHD Fastener with Drill-Tec 2-3/4 in. Barbed SXHD Plate	6-inch o.c. within 6-inch wide laps spaced 138-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0
S-746.	Min. 18 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate, Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate or Drill-Tec SXHD Fastener with Drill-Tec 2-3/4 in. Barbed SXHD Plate	6-inch o.c. within 6-inch wide laps spaced 138-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0
S-747.	Structural concrete	One or more layers, any combination, min. 1-inch	Prelim. attach or OB500	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate, Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2-3/4 in. Barbed SXHD Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	6-inch o.c. within 6-inch wide laps spaced 138-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0
S-748.	Min. 22 ga., type B, Grade 40 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate	12-inch o.c. within 6-inch wide laps spaced 54-inch o.c. and sealed with a 1.5-inch heat weld.	-52.5
S-749.	Min. 22 ga., type B, Grade 40 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2-3/4 in. Barbed SXHD Plate	12-inch o.c. within 6-inch wide laps spaced 66-inch o.c. and sealed with a 1.5-inch heat weld.	-52.5
S-750.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate, Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate or Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-52.5
S-751.	Structural concrete	One or more layers, any combination, min. 1.5-inch	Prelim. attach or OB500	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener or Drill-Tec CD-10 fasteners with Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-52.5

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TABLE 2J: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-1: MECHANICALLY ATTACHED ROOF COVER								
System No.	Deck (Note 1)	Insulation (Note 13)		Separator Sheet (Optional)	Roof Cover (Note 15A)			MDP (psf)
		Type	Attach (Note 17)		Membrane	Fastener (Note 11)	Attachment	
S-752.	Steel deck over min. 16 ga., 50 ksi or min. 12 ga., 36 ksi steel purlins spaced **max. 114-inch o.c.**	One or more layers, any combination	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec Hex Head Purlin Fastener and Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate or Drill-Tec #12 Purlin Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	6-inch o.c. in rows spaced max. 114-inch o.c. to engage steel purlin. An 8-inch wide cover strip is heat welded over the stress plates.	-52.5
S-753.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate or Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate	6-inch o.c. within 5-inch wide laps spaced 115-inch o.c. and sealed with a 1.5-inch heat weld.	-52.5
S-754.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener or Drill-Tec SXHD Fastener with Drill-Tec 2-3/4 in. Barbed SXHD Plate	6-inch o.c. within 6-inch wide laps spaced 138-inch o.c. and sealed with a 1.5-inch heat weld.	-52.5
S-755.	Structural concrete	One or more layers, any combination, min. 1-inch	Prelim. attach or OB500	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec #14 Fastener with Drill-Tec 2-3/4 in. Barbed SXHD Plate	6-inch o.c. within 6-inch wide laps spaced 138-inch o.c. and sealed with a 1.5-inch heat weld.	-52.5
S-756.	Min. 22 ga., type B, 60 ksi steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO, min. 60-mil	Drill-Tec XHD Fastener with Drill-Tec 2-1/4" IR Plastic Plate	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld	-45.0
S-757.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO, min. 60-mil	Drill-Tec XHD Fastener with Drill-Tec 2-1/4" IR Plastic Plate	6-inch o.c. within 6-inch wide laps spaced 138-inch o.c. and sealed with a 1.5-inch heat weld.	-52.5
S-758.	Min. 22 ga., type B, Grade 40 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2-3/4 in. Barbed SXHD Plate	12-inch o.c. within 6-inch wide laps spaced 54-inch o.c. and sealed with a 1.5-inch heat weld.	-60.0
S-759.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate or Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate	6-inch o.c. within 6-inch wide laps spaced 54-inch o.c. and sealed with a 1.5-inch heat weld.	-60.0
S-760.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate or Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate	6-inch o.c. within 6-inch wide laps spaced 90-inch o.c. and sealed with a 1.5-inch heat weld.	-60.0
S-761.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate or Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-60.0
S-762.	Min. 22 ga., type B, Grade 55 steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO, min. 60-mil	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate	6-inch o.c. within 6-inch wide laps spaced 138-inch o.c. and sealed with a 1.5-inch heat weld.	-60.0

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TABLE 2J: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-1: MECHANICALLY ATTACHED ROOF COVER								
System No.	Deck (Note 1)	Insulation (Note 13)		Separator Sheet (Optional)	Roof Cover (Note 15A)			MDP (psf)
		Type	Attach (Note 17)		Membrane	Fastener (Note 11)	Attachment	
S-763.	Min. 22 ga., type B, Grade 33 steel	Min. 200 psi, min. 2-inch thick cellular lightweight concrete	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2-3/4 in. Barbed SXHD Plate	12-inch o.c. within 6-inch wide laps spaced 54-inch o.c. and sealed with a 1.5-inch heat weld.	-67.5
S-764.	Min. 22 ga., type BV (0.5%), Grade 33 steel	Min. 330 psi, min. 2-inch thick Celcore Cellular Concrete	N/A	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate or Drill-Tec 2-3/8 in. Barbed XHD Plate or Drill-Tec 2-3/8 in. Double Barbed XHD Plate (to engage steel deck)	Fastened through to engage steel deck, 6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-67.5
S-765.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2-3/4 in. Barbed SXHD Plate	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-67.5
S-766.	Min. 22 ga., Type B, Grade 80 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO, min. 60-mil	Drill-Tec XHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate or Drill-Tec Eyehook AccuSeam Plate or Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate	6-inch o.c. atop 6-inch wide overlaps in rows spaced max. 138-inch o.c. An 8-inch wide cover strip is heat welded 1.5-inch on both sides of the fastener rows	-67.5
S-767.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO, min. 60-mil	Drill-Tec XHD Fastener with Drill-Tec 2-1/4" IR Plastic Plate	6-inch o.c. within 6-inch wide laps spaced 66-inch o.c. and sealed with a 1.5-inch heat weld.	-67.5
S-768.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO, min. 60-mil	Drill-Tec XHD Fastener with Drill-Tec 2-1/4" IR Plastic Plate	6-inch o.c. within 6-inch wide laps spaced 66-inch o.c. and sealed with a 1.5-inch heat weld.	-75.0
S-769.	Min. 22 ga., Type B, Grade 50 steel	One or more layers, min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO, min. 60-mil	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate	6-inch o.c. within 6-inch wide laps spaced 66-inch o.c. and sealed with a 1.5-inch heat weld.	-82.5
S-770.	Min. 18 ga., type B, Grade 33 steel	One or more layers, min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	5 parts per 4 x 4 ft board	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate or Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-90.0
EVERGUARD TPO FLEECE-BACK MEMBRANE:								
S-771.	Min. 22 ga., type B, Grade 33 steel or structrural concrete	One or more layers, any combination, min. 1.5-inch	Prelim. attach	N/A	EverGuard TPO Fleece-Back Membrane	Drill-Tec XHD Fastener (steel only), Drill-Tec #15 EHD Fastener (steel only), Drill-Tec #14 Fastener (concrete only) or Drill-Tec #14 HD Fastener (concrete only) with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate or Drill-Tec #15 DF Fastener (steel only) with Drill-Tec 2-3/8" DF Barbed Seam Plate	6-inch o.c. within min. 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.625-inch heat weld.	-45.0

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TABLE 2J: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-1: MECHANICALLY ATTACHED ROOF COVER								
System No.	Deck (Note 1)	Insulation (Note 13)		Separator Sheet (Optional)	Roof Cover (Note 15A)			MDP (psf)
		Type	Attach (Note 17)		Membrane	Fastener (Note 11)	Attachment	
S-772.	Min. 22 ga., type B, Grade 33 steel	Min. 200 psi, min. 2-inch thick cellular lightweight concrete	Prelim. attach	N/A	EverGuard TPO Fleece-Back Membrane	Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate, Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate or Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate	12-inch o.c. within 6-inch wide laps spaced 54-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0
S-773.	Min. 22 ga., type B, Grade 33 steel or structrural concrete	One or more layers, any combination, min. 1.5-inch	Prelim. attach	N/A	EverGuard TPO Fleece-Back Membrane	Drill-Tec XHD Fastener (steel only), Drill-Tec #15 EHD Fastener (steel only), Drill-Tec #14 Fastener (concrete only) or Drill-Tec #14 HD Fastener (concrete only) with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate or Drill-Tec #15 DF Fastener (steel only) with Drill-Tec 2-3/8" DF Barbed Seam Plate	6-inch o.c. within min. 6-inch wide laps spaced 112.5-inch o.c. and sealed with a 1.625-inch heat weld.	-60.0
S-774.	Min. 22 ga., type B, Grade 33 steel	Min. 200 psi, min. 2-inch thick cellular lightweight concrete	Prelim. attach	N/A	EverGuard TPO Fleece-Back Membrane	Drill-Tec XHD Fastener with Drill-Tec 2-3/4 in. Barbed SXHD Plate	12-inch o.c. within 6-inch wide laps spaced 54-inch o.c. and sealed with a 1.5-inch heat weld.	-67.5
S-775.	Min. 22 ga., type BV (0.5%), Grade 33 steel	Min. 200 psi, min. 3-inch thick Elastizell Lightweight Insulating Concrete	N/A	N/A	EverGuard TPO Fleece-Back Membrane	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate or Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate (to engage steel deck)	Fastened through to engage steel deck, 6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-75.0

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TABLE 2K: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-3: INSULATED, MECHANICALLY ATTACHED AND INDUCTION WELDED ROOF COVER														
System No.	Deck (Note 1)	Insulation Layer (Note 17, Note 13)		Roof Cover (Note 15A, Note 15B)										MDP (psf)
		Type	Attach (Note 17)	Membrane	Fastener (Note 11)	In-Lap Fastening					Induction Weld Fastening			
						Stress Plate	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	Stress Plate	Spacing	Roof Cover Securement	
S-776.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard TPO or EverGuard Extreme TPO	Drill-Tec #15 DF Fastener, Drill-Tec #15 EHD Fastener or Drill-Tec XHD Fastener	Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec 2.4" Barbed Seam Plate, Drill-Tec 2.4" Scoop Seam Plate or Drill-Tec 2-3/8" DF Barbed Seam Plate	12-inch o.c.	6-inch	Max. 138-inch o.c.	Min. 1.5-inch heat weld	Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or isoweld FI-P-6.8 TPO Plates	One (1) row beneath the roof cover and centered between the laps, 12-inch o.c.	induction welded	-30.0

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TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS							
System No.	Deck (Note 1)	Base Insulation Layer(s)		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
EVERGUARD SA TPO:							
C-1.	Structural concrete	Min. 1.5-inch EnergyGuard RA	LRF-M	(Optional) Additional layer(s) of base insulation	LRF-M	TPO-SA	-60.0
C-2.	Structural concrete	Min. 0.5-inch EnergyGuard RA	LRF-M	Additional layer(s) of base insulation	LRF-M	TPO-SA	-60.0
C-3.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Additional layer(s) of base insulation	LRF-M	TPO-SA	-142.5
C-4.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-M	Additional layer(s) of base insulation	LRF-M	TPO-SA	-142.5
C-5.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	TPO-SA	-165.0
C-6.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-M	TPO-SA	-180.0
C-7.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	TPO-SA	-187.5
C-8.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-M	TPO-SA	-232.5
C-9.	Structural concrete	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-M	TPO-SA	-270.0
C-10.	Structural concrete	One or more layer(s), min. 1.5-inch EnergyGuard RA	LRF-M	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-M	TPO-SA	-307.5
C-11.	Structural concrete	Min. 1.5-inch EnergyGuard RA	LRF-M Canister	(Optional) Additional layer(s) of base insulation	LRF-M Canister	TPO-SA	-60.0
C-12.	Structural concrete	Min. 0.5-inch EnergyGuard RA	LRF-M Canister	Additional layers of base insulation	LRF-M Canister	TPO-SA	-60.0
C-13.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	(Optional) Additional layer(s) of base insulation	LRF-M Canister	TPO-SA	-142.5
C-14.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	Additional layer(s) of base insulation	LRF-M Canister	TPO-SA	-142.5
C-15.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPO-SA	-165.0
C-16.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-M Canister	TPO-SA	-180.0

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TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS							
System No.	Deck (Note 1)	Base Insulation Layer(s)		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-17.	Structural concrete	(Optional) One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard RA	LRF-M Canister	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-M Canister	TPO-SA	-247.5
C-18.	Structural concrete	Min. 1.5-inch EnergyGuard RA	LRF-XF	(Optional) Additional layer(s) of base insulation	LRF-XF	TPO-SA	-60.0
C-19.	Structural concrete	Min. 0.5-inch EnergyGuard RA	LRF-XF	Additional layer(s) of base insulation	LRF-XF	TPO-SA	-60.0
C-20.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layer(s) of base insulation	LRF-XF	TPO-SA	-142.5
C-21.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-XF	Additional layer(s) of base insulation	LRF-XF	TPO-SA	-142.5
C-22.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	TPO-SA	-165.0
C-23.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-XF	TPO-SA	-180.0
C-24.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	TPO-SA	-187.5
C-25.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-XF	TPO-SA	-232.5
C-26.	Structural concrete	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-XF	TPO-SA	-270.0
C-27.	Structural concrete	One or more layer(s), min. 1.5-inch EnergyGuard RA	LRF-XF	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-XF	TPO-SA	-307.5
C-28.	Structural concrete	Min. 1.5-inch EnergyGuard RA	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-SA	-382.5
C-29.	Structural concrete	Min. 1-inch EnergyGuard RA	OB500	(Optional) Additional layer(s) of base insulation	OB500	TPO-SA	-52.5
C-30.	Structural concrete	Min. 1.5-inch EnergyGuard RA	OB500	(Optional) Additional layer(s) of base insulation	OB500	TPO-SA	-60.0
C-31.	Structural concrete	Min. 0.5-inch EnergyGuard RA	OB500	Additional layer(s) of base insulation	OB500	TPO-SA	-60.0
C-32.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layer(s) of base insulation	OB500	TPO-SA	-142.5

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TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS							
System No.	Deck (Note 1)	Base Insulation Layer(s)		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-33.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	TPO-SA	-165.0
C-34.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 1.5-inch Ultra HD Composite Insulation or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	OB500	TPO-SA	-180.0
C-35.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	TPO-SA	-187.5
C-36.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	N/A	TPO-SA	-230.0
C-37.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	OB500	TPO-SA	-232.5
C-38.	Structural concrete	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	OB500	TPO-SA	-270.0
C-39.	Structural concrete	One or more layer(s), min. 1.5-inch EnergyGuard RA	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	OB500	TPO-SA	-307.5
C-40.	Structural concrete	Min. 1-inch EnergyGuard RA	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-SA	-347.5
C-41.	Structural concrete	Min. 1.5-inch EnergyGuard RA	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-SA	-382.5
EVERGUARD TPO / EVERGUARD TPO 1121 BONDING ADHESIVE OR EVERGUARD TPO 3 SQUARE LOW VOC BONDING ADHESIVE:							
C-42.	Structural concrete (ASTM D41 primed)	Min. 1.5-inch EnergyGuard RA	Hot Asphalt	(Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or min. 7/16-inch OSB	Hot asphalt	TPO-1121 or TPO-3SQ	-45.0
C-43.	Structural concrete (ASTM D41 primed)	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	None	N/A	TPO-1121 or TPO-3SQ	-90.0
C-44.	Structural concrete (ASTM D41 primed)	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	None	N/A	TPO-1121 or TPO-3SQ	-127.5
C-45.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-M	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	LRF-M	TPO-1121 or TPO-3SQ	-82.5

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TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS							
System No.	Deck (Note 1)	Base Insulation Layer(s)		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-46.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPO-1121 or TPO-3SQ	-97.5
C-47.	Structural concrete	One or more layer(s), any combination, min. 1-inch EnergyGuard Polyiso Insulation and/or min. 0.5-inch, min. 1.0 pcf, unfaced Cellofoam EPS Roof Insulation	LRF-M	Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SECUROCK Ultralight Coated Glass Mat Roof Board or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M	TPO-1121 or TPO-3SQ	-120.0
C-48.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	TPO-1121 or TPO-3SQ	-165.0
C-49.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	(Optional) Min. 1.5-inch Ultra HD Composite Insulation or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M	TPO-1121 or TPO-3SQ	-180.0
C-50.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	TPO-1121 or TPO-3SQ	-187.5
C-51.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	None	N/A	TPO-1121 or TPO-3SQ	-195.0
C-52.	Structural concrete	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M	TPO-1121 or TPO-3SQ	-232.5
C-53.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	(Optional) Additional layers of base insulation	LRF-M	TPO-1121 or TPO-3SQ	-292.5
C-54.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPO-1121 or TPO-3SQ	-97.5
C-55.	Structural concrete	One or more layer(s), any combination, min. 1-inch EnergyGuard Polyiso Insulation and/or min. 0.5-inch, min. 1.0 pcf, unfaced Cellofoam EPS Roof Insulation	LRF-M Canister	Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SECUROCK Ultralight Coated Glass Mat Roof Board or DEXcell FA Glass Mat Roof Board	LRF-M Canister	TPO-1121 or TPO-3SQ	-120.0
C-56.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPO-1121 or TPO-3SQ	-165.0
C-57.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	TPO-1121 or TPO-3SQ	-180.0
C-58.	Structural concrete	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	Additional optional layers base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	TPO-1121 or TPO-3SQ	-232.5
C-59.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	(Optional) Additional layers of base insulation	LRF-M Canister	TPO-1121 or TPO-3SQ	-247.5

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TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer(s)		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-60.	Structural concrete	Min. 1.5-inch EnergyGuard RA	LRF-XF	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-1121 or TPO-3SQ	-130.0
C-61.	Structural concrete	(Optional) One or more layers min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	TPO-1121 or TPO-3SQ	-165.0
C-62.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	(Optional) Min. 1.5-inch Ultra HD Composite Insulation or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-1121 or TPO-3SQ	-180.0
C-63.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	TPO-1121 or TPO-3SQ	-187.5
C-64.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	None	N/A	TPO-1121 or TPO-3SQ	-195.0
C-65.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layers of base insulation	LRF-XF or hot asphalt	TPO-1121 or TPO-3SQ	-232.5
C-66.	Structural concrete	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-1121 or TPO-3SQ	-232.5
C-67.	Structural concrete	One or more layer(s), min. 2-inch EnergyGuard RA	LRF-XF	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-1121 or TPO-3SQ	-247.5
C-68.	Structural concrete	Min. 1.5-inch, min. 1.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-1121 or TPO-3SQ	-45.0
C-69.	Structural concrete	Min. 1-inch EnergyGuard RA	OB500	(Optional) Additional layer(s) of base insulation	OB500	TPO-1121 or TPO-3SQ	-45.0
C-70.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard RA	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-1121 or TPO-3SQ	-52.5
C-71.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	OB500	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	OB500	TPO-1121 or TPO-3SQ	-82.5
C-72.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-1121 or TPO-3SQ	-97.5
C-73.	Structural concrete	Min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck, DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-1121 or TPO-3SQ	-120.0
C-74.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard RA	OB500	Min. 0.25-inch DensDeck, DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-1121 or TPO-3SQ	-130.0
C-75.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	TPO-1121 or TPO-3SQ	-165.0

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TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS							
System No.	Deck (Note 1)	Base Insulation Layer(s)		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-76.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	(Optional) Min. 1.5-inch Ultra HD Composite Insulation or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-1121 or TPO-3SQ	-180.0
C-77.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	TPO-1121 or TPO-3SQ	-187.5
C-78.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	N/A	TPO-1121 or TPO-3SQ	-195.0
C-79.	Structural concrete	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-1121 or TPO-3SQ	-232.5
C-80.	Structural concrete	One or more layer(s), min. 1.5-inch EnergyGuard RA	OB500	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-1121 or TPO-3SQ	-240.0
C-81.	Structural concrete	One or more layer(s), min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA	OB500	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-1121 or TPO-3SQ	-247.5
C-82.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layers of base insulation	OB500	TPO-1121 or TPO-3SQ	-292.5
C-83.	Structural concrete	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard RA	OB500	None	N/A	TPO-1121 or TPO-3SQ	-502.5
EVERGUARD TPO / EVERGUARD WB181 BONDING ADHESIVE:							
C-84.	Structural concrete (ASTM D41 primed)	Min. 1.5-inch EnergyGuard RA	Hot asphalt	(Optional) Additional layer of base insulation	Hot asphalt	TPO-WB	-135.0
C-85.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPO-WB	-97.5
C-86.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	TPO-WB	-165.0
C-87.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	(Optional) Min. 1.5-inch Ultra HD Composite Insulation or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPO-WB	-180.0
C-88.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	TPO-WB	-187.5
C-89.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	None	N/A	TPO-WB	-195.0

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TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS							
System No.	Deck (Note 1)	Base Insulation Layer(s)		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-90.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M	TPO-WB	-232.5
C-91.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	(Optional) Additional layers of base insulation	LRF-M	TPO-WB	-292.5
C-92.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPO-WB	-97.5
C-93.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPO-WB	-165.0
C-94.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	TPO-WB	-180.0
C-95.	Structural concrete	(Optional) One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	TPO-WB	-232.5
C-96.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M Canister	(Optional) Additional layers of base insulation	LRF-M Canister	TPO-WB	-247.5
C-97.	Structural concrete	One or more layer(s), min. 1.5-inch EnergyGuard RA	LRF-XF	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-WB	-130.0
C-98.	Structural concrete	(Optional) One or more layers min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	TPO-WB	-165.0
C-99.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	(Optional) Min. 1.5-inch Ultra HD Composite Insulation or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-WB	-180.0
C-100.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	TPO-WB	-187.5
C-101.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	None	N/A	TPO-WB	-195.0
C-102.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-WB	-232.5
C-103.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	TPO-WB	-270.0
C-104.	Structural concrete	Min. 1.5-inch, min. 1.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-WB	-45.0
C-105.	Structural concrete	Min. 0.5-inch EnergyGuard RA	OB500	Additional layer(s) of base insulation	OB500	TPO-WB	-45.0

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TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS							
System No.	Deck (Note 1)	Base Insulation Layer(s)		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-106.	Structural concrete	Min. 1-inch EnergyGuard RA	OB500	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-WB	-52.5
C-107.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	OB500	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-WB	-97.5
C-108.	Structural concrete	Min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-WB	-120.0
C-109.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard RA	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-WB	-135.0
C-110.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	TPO-WB	-165.0
C-111.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	(Optional) Min. 1.5-inch Ultra HD Composite Insulation or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-WB	-180.0
C-112.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	TPO-WB	-187.5
C-113.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	N/A	TPO-WB	-195.0
C-114.	Structural concrete	Min. 1-inch EnergyGuard RA	OB500	None	N/A	TPO-WB	-215.0
C-115.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-WB	-232.5
C-116.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layers of base insulation	OB500	TPO-WB	-292.5
EVERGUARD TPO / EVERGUARD TPO 6 SQUARE LOW VOC BONDING ADHESIVE OR EVERGUARD TPO 3 SQUARE LOW VOC BONDING ADHESIVE:							
C-117.	Structural concrete (ASTM D41 primed)	Min. 1.5-inch EnergyGuard RA	Hot Asphalt	(Optional) Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	Hot asphalt	TPO-3SQ or TPO-6SQ	-45.0
C-118.	Structural concrete (ASTM D41 primed)	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	None	N/A	TPO-3SQ or TPO-6SQ	-90.0
C-119.	Structural concrete (ASTM D41 primed)	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	None	N/A	TPO-3SQ or TPO-6SQ	-127.5

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TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS							
System No.	Deck (Note 1)	Base Insulation Layer(s)		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-120.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-M	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	LRF-M	TPO-3SQ or TPO-6SQ	-82.5
C-121.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPO-3SQ or TPO-6SQ	-97.5
C-122.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	TPO-3SQ or TPO-6SQ	-165.0
C-123.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	(Optional) Min. 1.5-inch Ultra HD Composite Insulation or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M	TPO-3SQ or TPO-6SQ	-180.0
C-124.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	TPO-3SQ or TPO-6SQ	-187.5
C-125.	Structural concrete	one or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M	TPO-3SQ or TPO-6SQ	-232.5
C-126.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	(Optional) Additional layers of base insulation	LRF-M	TPO-3SQ or TPO-6SQ	-240.0
C-127.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPO-3SQ or TPO-6SQ	-97.5
C-128.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-M Canister	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPO-3SQ or TPO-6SQ	-165.0
C-129.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	TPO-3SQ or TPO-6SQ	-180.0
C-130.	Structural concrete	(Optional) One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	TPO-3SQ or TPO-6SQ	-232.5
C-131.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	(Optional) Additional layers of base insulation	LRF-M Canister	TPO-3SQ or TPO-6SQ	-240.0
C-132.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	TPO-3SQ or TPO-6SQ	-165.0
C-133.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	(Optional) Min. 1.5-inch Ultra HD Composite Insulation or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-3SQ or TPO-6SQ	-180.0

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TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS							
System No.	Deck (Note 1)	Base Insulation Layer(s)		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-134.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	TPO-3SQ or TPO-6SQ	-187.5
C-135.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-3SQ or TPO-6SQ	-232.5
C-136.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	TPO-3SQ or TPO-6SQ	-270.0
C-137.	Structural concrete	Min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-3SQ or TPO-6SQ	-45.0
C-138.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	OB500	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	OB500	TPO-3SQ or TPO-6SQ	-82.5
C-139.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-3SQ or TPO-6SQ	-97.5
C-140.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	TPO-3SQ or TPO-6SQ	-165.0
C-141.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	(Optional) Min. 1.5-inch Ultra HD Composite Insulation or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-3SQ or TPO-6SQ	-180.0
C-142.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	TPO-3SQ or TPO-6SQ	-187.5
C-143.	Structural concrete	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-3SQ or TPO-6SQ	-232.5
C-144.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layers of base insulation	OB500	TPO-3SQ or TPO-6SQ	-240.0
C-145.	Structural concrete	Min. 1.5-inch EnergyGuard Ultra	OB500	(Optional) Additional layer of base insulation	OB500	TPO-3SQ or TPO-6SQ	-270.0
EVERGUARD TPO / EVERGUARD TPO QUICK SPRAY:							
C-146.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Additional layer(s) of base insulation	LRF-M	TPO-QSA	-82.5
C-147.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or or EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPO-QSA	-82.5

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TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS							
System No.	Deck (Note 1)	Base Insulation Layer(s)		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-148.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	TPO-QSA	-97.5
C-149.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M	TPO-QSA	-180.0
C-150.	Structural concrete	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M	TPO-QSA	-232.5
C-151.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	(Optional) Additional layer(s) of base insulation	LRF-M Canister	TPO-QSA	-82.5
C-152.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPO-QSA	-82.5
C-153.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPO-QSA	-97.5
C-154.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 0.25-inch DensDeck Prime	LRF-M Canister	TPO-QSA	-180.0
C-155.	Structural concrete	(Optional) One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	Min. 0.25-inch DensDeck Prime	LRF-M Canister	TPO-QSA	-232.5
C-156.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layers of base insulation	LRF-XF or hot asphalt	TPO-QSA	-82.5
C-157.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	TPO-QSA	-82.5
C-158.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RA	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-QSA	-97.5
C-159.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-QSA	-180.0
C-160.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-QSA	-232.5
C-161.	Structural concrete	Min. 0.5-inch EnergyGuard RA	OB500	(Optional) Additional layers base insulation	OB500	TPO-QSA	-75.0

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TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS							
System No.	Deck (Note 1)	Base Insulation Layer(s)		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-162.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layers of base insulation	OB500	TPO-QSA	-82.5
C-163.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-QSA	-82.5
C-164.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	TPO-QSA	-97.5
C-165.	Structural concrete	Min. 1.5-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-QSA	-45.0
C-166.	Structural concrete	Min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-QSA	-120.0
C-167.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-QSA	-180.0
C-168.	Structural concrete	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-QSA	-232.5
C-169.	Structural concrete	Min. 1.5-inch EnergyGuard RA	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-QSA	-240.0
EVERGUARD TPO / EVERGUARD TPO QUICK SPRAY LV 50:							
C-170.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Additional layers of base insulation	LRF-M	TPO-QSALV50	-292.5
C-171.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	TPO-QSALV50	-165.0
C-172.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	(Optional) Min. 1.5-inch Ultra HD Composite Insulation or min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPO-QSALV50	-180.0
C-173.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	TPO-QSALV50	-187.5
C-174.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPO-QSALV50	-97.5
C-175.	Structural concrete	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 0.25-inch DensDeck Prime or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M	TPO-QSALV50	-202.5
C-176.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	None	N/A	TPO-QSALV50	-195.0

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TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS							
System No.	Deck (Note 1)	Base Insulation Layer(s)		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-177.	Structural concrete	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPO-QSALV50	-232.5
C-178.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	(Optional) Additional layers of base insulation	LRF-M Canister	TPO-QSALV50	-247.5
C-179.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPO-QSALV50	-165.0
C-180.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPO-QSALV50	-97.5
C-181.	Structural concrete	(Optional) One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	Min. 0.25-inch DensDeck Prime	LRF-M Canister	TPO-QSALV50	-202.5
C-182.	Structural concrete	(Optional) One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	TPO-QSALV50	-232.5
C-183.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layers of base insulation	LRF-XF	TPO-QSALV50	-82.5
C-184.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	TPO-QSALV50	-165.0
C-185.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	(Optional) Min. 1.5-inch Ultra HD Composite Insulation or min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-QSALV50	-180.0
C-186.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	TPO-QSALV50	-187.5
C-187.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	TPO-QSALV50	-270.0
C-188.	Structural concrete	One or more layer(s), Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 0.25-inch DensDeck Prime or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-QSALV50	-202.5
C-189.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	None	N/A	TPO-QSALV50	-195.0
C-190.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-QSALV50	-232.5
C-191.	Structural concrete	Min. 0.5-inch EnergyGuard RA	OB500	Additional layer(s) of base insulation	OB500	TPO-QSALV50	-45.0
C-192.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard RA	OB500	None	N/A	TPO-QSALV50	-75.0

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TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS							
System No.	Deck (Note 1)	Base Insulation Layer(s)		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-193.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	TPO-QSALV50	-165.0
C-194.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	(Optional) Min. 1.5-inch Ultra HD Composite Insulation	OB500	TPO-QSALV50	-180.0
C-195.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	TPO-QSALV50	-187.5
C-196.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layers of base insulation	OB500	TPO-QSALV50	-292.5
C-197.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-QSALV50	-97.5
C-198.	Structural concrete	Min. 1.5-inch, min. 2.0-pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-QSALV50	-45.0
C-199.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-QSALV50	-180.0
C-200.	Structural concrete	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-QSALV50	-202.5
C-201.	Structural concrete	Min. 1.5-inch, min. 2.0-pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-QSALV50	-45.0
C-202.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	N/A	TPO-QSALV50	-195.0
C-203.	Structural concrete	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Additional optional layers base insulation followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-QSALV50	-232.5
C-204.	Structural concrete	Min. 1.5-inch EnergyGuard RA	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-QSALV50	-240.0
C-205.	Structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-QSALV50	-247.5
TRIPOSITE ROOFING SYSTEM:							
C-206.	Structural concrete (ASTM D41 primed)	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra or min. 1.5-inch EnergyGuard RA	Hot Asphalt	(Optional) Additional layers of base insulation	Hot asphalt	Triposite System. Note 15C	-172.5
EVERGUARD TPO FLEECE-BACK MEMBRANE OR EVERGUARD TPO FLEECE-BACK MEMBRANE 100, 115 OR 135 IN HOT ASPHALT:							

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TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS							
System No.	Deck (Note 1)	Base Insulation Layer(s)		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-207.	Structural concrete (ASTM D41 primed)	Min. 1.5-inch EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA	Hot Asphalt	Min. 0.25-inch DensDeck	Hot asphalt	TPOFB-HA1 or TPOFB-HA2	-45.0
C-208.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 0.25-inch DensDeck	OB500	TPOFB-HA1 or TPOFB-HA2	-45.0
EVERGUARD TPO FLEECE-BACK MEMBRANE IN EVERGUARD WB181 BONDING ADHESIVE:							
C-209.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPOFB-WB1	-97.5
C-210.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	TPOFB-WB1	-165.0
C-211.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	TPOFB-WB1	-180.0
C-212.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	TPOFB-WB1	-187.5
C-213.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	None	N/A	TPOFB-WB1	-195.0
C-214.	Structural concrete	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M	TPOFB-WB1	-232.5
C-215.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	(Optional) Additional layers of base insulation	LRF-M	TPOFB-WB1	-292.5
C-216.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPOFB-WB1	-97.5
C-217.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	(Optional) Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	TPOFB-WB1	-180.0
C-218.	Structural concrete	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPOFB-WB1	-165.0
C-219.	Structural concrete	(Optional) One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	TPOFB-WB1	-232.5
C-220.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	(Optional) Additional layers of base insulation	LRF-M Canister	TPOFB-WB1	-247.5
C-221.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	TPOFB-WB1	-165.0

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TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS							
System No.	Deck (Note 1)	Base Insulation Layer(s)		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-222.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPOFB-WB1	-180.0
C-223.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	TPOFB-WB1	-187.5
C-224.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	None	N/A	TPOFB-WB1	-195.0
C-225.	Structural concrete	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPOFB-WB1	-232.5
C-226.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	OB500	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPOFB-WB1	-97.5
C-227.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	TPOFB-WB1	-165.0
C-228.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	OB500	(Optional) Min. 1.5-inch Ultra HD Composite Insulation or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-WB1	-180.0
C-229.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	TPOFB-WB1	-187.5
C-230.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	N/A	TPOFB-WB1	-195.0
C-231.	Structural concrete	Min. 1.5-inch EnergyGuard RA	OB500	(Optional) Additional layers base insulation	OB500	TPOFB-WB1	-225.0
C-232.	Structural concrete	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPOFB-WB1	-232.5
C-233.	Structural concrete	Min. 1.5-inch EnergyGuard RA	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPOFB-WB1	-240.0
C-234.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layers of base insulation	OB500	TPOFB-WB1	-292.5
EVERGUARD TPO FLEECE-BACK MEMBRANE OR EVERGUARD TPO FLEECE-BACK MEMBRANE 100, 115 OR 135 IN LRF ADHESIVE M OR LRF ADHESIVE O:							
C-235.	Structural concrete	Min. 1.5-inch EnergyGuard RA	LRF-M	(Optional) Additional layer(s) base insulation	LRF-M	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0
C-236.	Structural concrete	(Optional) Min. 1-inch EnergyGuard RA	LRF-M	Min. 1.75-inch ACFoam Composite/GB	LRF-M	TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0
C-237.	Structural concrete	Min. 1-inch EnergyGuard RA	LRF-M	Min. 0.25-inch DensDeck Prime	LRF-M	TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0

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TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS							
System No.	Deck (Note 1)	Base Insulation Layer(s)		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-238.	Structural concrete	Min. 1-inch EnergyGuard RA	LRF-M	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0
C-239.	Structural concrete	Min. 1-inch EnergyGuard RA	LRF-M	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-45.0
C-240.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 0.25-inch DensDeck Prime	LRF-M	TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0
C-241.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0
C-242.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-45.0
C-243.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	(Optional) Additional layers base insulation	LRF-M	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0
C-244.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0
C-245.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-67.5
C-246.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-165.0
C-247.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-180.0
C-248.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-180.0
C-249.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M	TPOFB-LM1 or TPOFB-LM2 (4-inch o.c.)	-180.0
C-250.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-M	(Optional) Additional layer(s) base insulation	LRF-M	TPOFB-LM1 or TPOFB-LM2 (4-inch o.c.)	-180.0
C-251.	Structural concrete	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	None	N/A	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-195.0
C-252.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Additional layers base insulation	LRF-M	TPOFB-LM1 or TPOFB-LM2 (4-inch o.c.)	-210.0
C-253.	Structural concrete	Min. 1.5-inch EnergyGuard RA	LRF-M Canister	(Optional) Additional layer(s) base insulation	LRF-M Canister	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0
C-254.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-M Canister	Min. 0.25-inch DensDeck Prime	LRF-M Canister	TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0

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TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS							
System No.	Deck (Note 1)	Base Insulation Layer(s)		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-255.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-M Canister	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0
C-256.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	(Optional) Additional layer(s) base insulation	LRF-M Canister	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0
C-257.	Structural concrete	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0
C-258.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-67.5
C-259.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-M Canister	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-165.0
C-260.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-M Canister	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-180.0
C-261.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-M Canister	(Optional) Additional layers base insulation	LRF-M Canister	TPOFB-LM1 or TPOFB-LM2 (4-inch o.c.)	-180.0
C-262.	Structural concrete	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	None	N/A	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-195.0
C-263.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	(Optional) Additional layers base insulation	LRF-M Canister	TPOFB-LM1 or TPOFB-LM2 (4-inch o.c.)	-210.0
C-264.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-XF	Min. 0.25-inch DensDeck Prime	LRF-XF	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-37.5
C-265.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-XF	Min. 0.25-inch DensDeck Prime	LRF-XF	TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0
C-266.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0
C-267.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-XF	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-XF	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-45.0
C-268.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layer(s) base insulation	LRF-XF	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0
C-269.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0
C-270.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-165.0

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TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS							
System No.	Deck (Note 1)	Base Insulation Layer(s)		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-271.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-180.0
C-272.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-XF	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-180.0
C-273.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-XF	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-XF	TPOFB-LM1 or TPOFB-LM2 (4-inch o.c.)	-180.0
C-274.	Structural concrete	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	None	N/A	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-195.0
C-275.	Structural concrete	(Optional) Min. 1-inch EnergyGuard RA	OB500	Min. 1.75-inch ACFoam Composite/GB	OB500	TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0
C-276.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	OB500	Min. 0.25-inch DensDeck Prime	OB500	TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0
C-277.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0
C-278.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	OB500	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-45.0
C-279.	Structural concrete	Min. 1.5-inch EnergyGuard RA	OB500	(Optional) Additional layer(s) of base insulation	OB500	TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0
C-280.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layer(s) of base insulation	OB500	TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0
C-281.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layer(s) base insulation	OB500	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0
C-282.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0
C-283.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-165.0
C-284.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-180.0
C-285.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-180.0

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TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS							
System No.	Deck (Note 1)	Base Insulation Layer(s)		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-286.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	TPOFB-LM1 or TPOFB-LM2 (4-inch o.c.)	-180.0
C-287.	Structural concrete	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	None	N/A	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-195.0
EVERGUARD TPO FLEECE-BACK MEMBRANE OR EVERGUARD TPO FLEECE-BACK MEMBRANE 100, 115 OR 135 IN SPATTER APPLICATIONS:							
C-288.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-165.0
C-289.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-180.0
C-290.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-M	(Optional) Additional layer(s) base insulation	LRF-M	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-180.0
C-291.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-180.0
C-292.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-M	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-M	TPOFB-LM1, TPOFB-LM2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-180.0
C-293.	Structural concrete	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	None	N/A	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-195.0
C-294.	Structural concrete	One or more layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation or EnegyGuard Ultra Polyiso Insulation	LRF-M	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-M	TPOFB-LM1, TPOFB-LM2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-225.0
C-295.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-M Canister	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-165.0
C-296.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	(Optional) Additional layer(s) base insulation	LRF-M Canister	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-180.0
C-297.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso InsulationEnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-M Canister	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-180.0
C-298.	Structural concrete	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	None	N/A	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-195.0
C-299.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-165.0

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TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS							
System No.	Deck (Note 1)	Base Insulation Layer(s)		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
C-300.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-180.0
C-301.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layer(s) base insulation	LRF-XF	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-180.0
C-302.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-XF	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-180.0
C-303.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-XF	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-XF	TPOFB-LM1, TPOFB-LM2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-180.0
C-304.	Structural concrete	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	None	N/A	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-195.0
C-305.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnegyGuard Ultra Polyiso Insulation	LRF-XF	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-XF	TPOFB-LM1, TPOFB-LM2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-225.0
C-306.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-165.0
C-307.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-180.0
C-308.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layer(s) base insulation	OB500	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-180.0
C-309.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-180.0
C-310.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	OB500	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	OB500	TPOFB-LM1, TPOFB-LM2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-180.0
C-311.	Structural concrete	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	None	N/A	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-195.0
C-312.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnegyGuard Ultra Polyiso Insulation	OB500	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	OB500	TPOFB-LM1, TPOFB-LM2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-225.0

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TABLE 3B: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED BASE AND CAP PLY REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS								
System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
HYBRID ROOFING SYSTEM:								
C-313.	Structural concrete (ASTM D41 primed)	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	None	N/A	BP-AA or SBS-AA	TPOFB-HA1 or TPOFB-HA2	-150.0
C-314.	Structural concrete (ASTM D41 primed)	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	None	N/A	2-3 plies GAFGLAS Ply 4, GAFGLAS Ply 4 M, Tri-Ply Ply 4 Ply Sheet, GAFGLAS FlexPly 6 or GAFGLAS FlexPly 6 M / hot asphalt	TPOFB-HA1 or TPOFB-HA2	-150.0
C-315.	Structural concrete (ASTM D41 primed)	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RA	Hot Asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	Hot Asphalt	SBS-AA	TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-255.0
ASPHALT-APPLIED BASE PLY:								
C-316.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-M, LRF-M Canister or OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-M Canister or OB500	SBS-AA	TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0
C-317.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-M, LRF-M Canister or OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-M Canister or OB500	SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2 or TPOFB-LO1 or TPOFB-LO2 (4-inch o.c.)	-180.0
C-318.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	SBS-AA	TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0
C-319.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	SBS-AA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2 or TPOFB-LO1 or TPOFB-LO2 (4-inch o.c.)	-180.0
TORCH-APPLIED BASE PLY:								
C-320.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-M, LRF-M Canister or OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-M Canister or OB500	SBS-TA	TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0
C-321.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-M, LRF-M Canister or OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-M Canister or OB500	SBS-TA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2 or TPOFB-LO1 or TPOFB-LO2 (4-inch o.c.)	-180.0

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TABLE 3B: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED BASE AND CAP PLY REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS								
System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
C-322.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	SBS-TA	TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0
C-323.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	SBS-TA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2 or TPOFB-LO1 or TPOFB-LO2 (4-inch o.c.)	-180.0
SELF-ADHERING BASE PLY:								
C-324.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-M, LRF-M Canister or OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-M Canister or OB500	SBS-SA	TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0
C-325.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-M, LRF-M Canister or OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-M Canister or OB500	SBS-SA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2 or TPOFB-LO1 or TPOFB-LO2 (4-inch o.c.)	-180.0
C-326.	Structural concrete	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	SBS-SA	TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0
C-327.	Structural concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	SBS-SA	TPOFB-HA1, TPOFB-HA2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2 or TPOFB-LO1 or TPOFB-LO2 (4-inch o.c.)	-180.0

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TABLE 3C: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, INDUCTION WELDED ROOF COVER						
System No.	Deck (Note 1)	Insulation (Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Density		
C-328.	Min. 2,500 psi structural concrete	One or more layers, any combination, 4 x 8 ft board	Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener or Drill-Tec #14 Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec #14 Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	24 x 48 inch grid 1 per 8.0 ft² (4 parts per 4 x 8 ft board)	EverGuard TPO induction welded	-45.0*
C-329.	Min. 2,500 psi structural concrete	One or more layers, any combination, 4 x 8 ft board	Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener or Drill-Tec #14 Fastener with Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec #14 Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	24 x 48 inch grid 1 per 8.0 ft² (4 parts per 4 x 8 ft board)	EverGuard Extreme TPO induction welded	-45.0*
C-330.	Min. 2,500 psi structural concrete	One or more layers, any combination, 4 x 8 ft board	Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener or Drill-Tec #14 Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate	1 per 5.3 ft² (6 parts per 4 x 8 ft board) (Note 17)	EverGuard TPO induction welded	-45.0*
C-331.	Min. 2,500 psi structural concrete	One or more layers, any combination, 4 x 4 ft board	Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener or Drill-Tec #14 Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate	1 per 4.0 ft² (4 parts per 4 x 4 ft board) (Note 17)	EverGuard TPO induction welded	-45.0*
C-332.	Min. 2,500 psi structural concrete	One or more layers, any combination	Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener or Drill-Tec #14 Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate	24 x 24 inch grid	EverGuard TPO induction welded	-60.0
C-333.	Min. 2,500 psi structural concrete	One or more layers, any combination, 4 x 8 ft board	Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener or Drill-Tec #14 Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec #14 Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	24 x 24 inch grid 1 per 4.0 ft² (8 parts per 4 x 8 ft board)	EverGuard TPO, min. 60-mil, induction welded	-67.5
C-334.	Min. 2,500 psi structural concrete	One or more layers, any combination, 4 x 8 ft board	Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener or Drill-Tec #14 Fastener with Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec #14 Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	24 x 24 inch grid 1 per 4.0 ft² (8 parts per 4 x 8 ft board)	EverGuard Extreme TPO, min. 60-mil, induction welded	-67.5

TABLE 3D: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER				
System No.	Deck (Note 1)	Primer	Roof Cover (Note 15)	MDP (psf)
C-335.	Min. 2,500 psi structural concrete	None	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0
C-336.	Min. 2,500 psi structural concrete	None	TPOFB-WB1	-300.0
C-337.	Min. 2,500 psi structural concrete	None	TPOFB-XF1 and TPOFB-XF2	-337.5
C-338.	Min. 3,000 psi structural concrete	Matrix™ 307 Premium Asphalt Primer	TPOFB-HA1 or TPOFB-HA2	-390.0
C-339.	Min. 2,500 psi structural concrete	None	TPOFB-OB1 or TPOFB-OB2	-435.0
C-340.	Min. 2,500 psi structural concrete	None	TPOFB-LM2 or TPOFB-LO2 (4-inch o.c.)	-465.0

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TABLE 4A: LIGHTWEIGHT CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
ELASTIZELL (FL4994):								
EVERGUARD SA TPO:								
LWC-1.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layer(s) of base insulation	OB500	TPO-SA	-142.5
LWC-2.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	Min. 0.5-inch EnergyGuard Polyiso Insulation	OB500	Additional layer(s) of base insulation	OB500	TPO-SA	-142.5
LWC-3.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-SA	-142.5
LWC-4.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	(Optional) Min. 1.5-inch EnergyGuard RA	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-SA	-225.0
EVERGUARD TPO / EVERGUARD TPO 1121 BONDING ADHESIVE OR EVERGUARD TPO 3 SQUARE LOW VOC BONDING ADHESIVE:								
LWC-5.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	Min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-1121 or TPO-3SQ	-120.0
LWC-6.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard RA	OB500	Min. 0.25-inch DensDeck, DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-1121 or TPO-3SQ	-130.0
LWC-7.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layer(s) of base insulation	OB500	TPO-1121 or TPO-3SQ	-180.0
LWC-8.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Additional layer(s) of base insulation	OB500	TPO-1121 or TPO-3SQ	-180.0
LWC-9.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-1121 or TPO-3SQ	-180.0
LWC-10.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	TPO-1121 or TPO-3SQ	-165.0
LWC-11.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or min. 1.5-inch Ultra HD Composite Insulation	OB500	TPO-1121 or TPO-3SQ	-180.0
EVERGUARD TPO / EVERGUARD WB181 BONDING ADHESIVE:								
LWC-12.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	Min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	TPO-WB	-120.0
LWC-13.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	TPO-WB	-130.0

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TABLE 4A: LIGHTWEIGHT CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-14.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	TPO-WB	-165.0
LWC-15.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	TPO-WB	-180.0
LWC-16.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	OB500	(Optional) Additional layer(s) of base insulation	OB500	TPO-WB	-180.0
EVERGUARD TPO / EVERGUARD TPO 6 SQUARE LOW VOC BONDING ADHESIVE OR EVERGUARD TPO 3 SQUARE LOW VOC BONDING ADHESIVE:								
LWC-17.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation, min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-3SQ or TPO-6SQ	-45.0
MEARLCRETE (FL13492):								
EVERGUARD SA TPO:								
LWC-18.	Structural concrete	Min. 250 psi, min. 2-inch Mearlcrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	N/A	TPO-SA	-75.0
PRE-EXISTENT CELLULAR LWC (Note 14A):								
EVERGUARD TPO / EVERGUARD TPO 1121 BONDING ADHESIVE:								
LWC-19.	Structural concrete	Pre-existent, min. 3-inch thick cellular lightweight concrete Compressive: 290 psi	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	(Optional) Additional layer(s) base insulation	OB500	TPO-1121	-47.5
LWC-20.	Structural concrete	Pre-existent, min. 3-inch thick cellular lightweight concrete Compressive: 290 psi	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA	OB500	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-1121	-67.5
EVERGUARD TPO / EVERGUARD WB181 BONDING ADHESIVE:								
LWC-21.	Structural concrete	Min. 290 psi, min. 3-inch thick pre-existent cellular lightweight insulating concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	(Optional) Additional layer(s) base insulation	OB500	TPO-WB	-47.5
LWC-22.	Structural concrete	Min. 290 psi, min. 3-inch thick pre-existent cellular lightweight insulating concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA	OB500	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-WB	-47.5
EVERGUARD TPO / EVERGUARD TPO 6 SQUARE LOW VOC BONDING ADHESIVE:								

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TABLE 4A: LIGHTWEIGHT CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-23.	Structural concrete	Min. 290 psi, min. 3-inch thick pre-existent cellular lightweight insulating concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RA	OB500	(Optional) Additional layer(s) base insulation	OB500	TPO-6SQ	-47.5
LWC-24.	Structural concrete	Min. 290 psi, min. 3-inch thick pre-existent cellular lightweight insulating concrete	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA	OB500	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-6SQ	-67.5
EVERGUARD TPO / EVERGUARD TPO QUICK SPRAY ADHESIVE:								
LWC-25.	Structural concrete	Pre-existent, min. 2-inch thick cellular lightweight concrete Compressive: 400 psi Withdrawal, Drill-Tec™ Base Sheet Fastener (1.7 in.): 117 lbf	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	TPO-QSA	-165.0
LWC-26.	Structural concrete	Pre-existent, min. 2-inch thick cellular lightweight concrete Compressive: 400 psi Withdrawal, Drill-Tec™ Base Sheet Fastener (1.7 in.): 117 lbf	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	TPO-QSA	-180.0
LWC-27.	Structural concrete	Pre-existent, min. 2-inch thick cellular lightweight concrete Compressive: 400 psi Withdrawal, Drill-Tec™ Base Sheet Fastener (1.7 in.): 117 lbf	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-XF	None	N/A	TPO-QSA	-230.0
LWC-28.	Structural concrete	Pre-existent, min. 2-inch thick cellular lightweight concrete Compressive: 400 psi Withdrawal, Drill-Tec™ Base Sheet Fastener (1.7 in.): 117 lbf	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	None	N/A	TPO-QSA	-140.0

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TABLE 4B: LIGHTWEIGHT CONCRETE OVER STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE B-3: LWC TO DECK, MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER											
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Anchor Sheet			Insulation			Roof Cover (Note 15)		MDP (psf)
			Type	Fastener (Note 11)	Attach	Base	Top	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
CELCORE (FL2037):											
LWC-29.	Min. 22 ga., type BV, Grade 33 steel	Minimum 300 psi, minimum 2-inch thick Celcore Cellular Concrete	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet or GAFGLAS Stratavent Nailable Venting Base Sheet	Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.)	9-inch o.c. at the 2-inch side lap and 9-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	TPO-SA	-45.0
LWC-30.	Min. 22 ga., type BV, Grade 33 steel	Minimum 300 psi, minimum 2-inch thick Celcore Cellular Concrete	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet or GAFGLAS Stratavent Nailable Venting Base Sheet	Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.)	9-inch o.c. at the 2-inch side lap and 9-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA	Min. 0.25-inch DensDeck Prime, DEXCell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard HD Polyiso Cover Board	OB500	None	TPO-1121, TPO-3SQ or TPO-6SQ	-45.0
LWC-31.	Min. 22 ga., type BV, Grade 33 steel	Minimum 300 psi, minimum 2-inch thick Celcore Cellular Concrete	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet or GAFGLAS Stratavent Nailable Venting Base Sheet	Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.)	9-inch o.c. at the 2-inch side lap and 9-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA	Min. 0.25-inch DensDeck Prime, DEXCell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	None	TPO-WB	-45.0
LWC-32.	Min. 22 ga., type BV, Grade 33 steel	Minimum 300 psi, minimum 2-inch thick Celcore Cellular Concrete	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet or GAFGLAS Stratavent Nailable Venting Base Sheet	Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.)	9-inch o.c. at the 2-inch side lap and 9-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	None	TPOFB-WB1	-45.0
LWC-33.	Min. 22 ga., type BV, Grade 33 steel	Minimum 300 psi, minimum 2-inch thick Celcore Cellular Concrete	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet or GAFGLAS Stratavent Nailable Venting Base Sheet	Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.)	9-inch o.c. at the 2-inch side lap and 9-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-AA or SBS-TA	TPOFB-HA1, TPOFB-OB1 or TPOFB-XF1	-45.0

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TABLE 4C: LIGHTWEIGHT CONCRETE OVER STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE B-3: LWC TO DECK, MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER											
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Anchor Sheet			Insulation			Roof Cover (Note 15)		MDP (psf)
			Type	Fastener (Note 11)	Attach	Base	Top	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
CELCORE (FL2037):											
LWC-34.	Structural concrete	Minimum 300 psi, minimum 2-inch thick Celcore Cellular Concrete	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet or GAFGLAS Stratavent Nailable Venting Base Sheet	Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.)	9-inch o.c. at the 2-inch side lap and 9-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	TPO-SA	-45.0
LWC-35.	Structural concrete	Minimum 300 psi, minimum 2-inch thick Celcore Cellular Concrete	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet or GAFGLAS Stratavent Nailable Venting Base Sheet	Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.)	9-inch o.c. at the 2-inch side lap and 9-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA	Min. 0.25-inch DensDeck Prime, DEXCell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard HD Polyiso Cover Board	OB500	None	TPO-1121, TPO-3SQ or TPO-6SQ	-45.0
LWC-36.	Structural concrete	Minimum 300 psi, minimum 2-inch thick Celcore Cellular Concrete	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet or GAFGLAS Stratavent Nailable Venting Base Sheet	Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.)	9-inch o.c. at the 2-inch side lap and 9-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA	Min. 0.25-inch DensDeck Prime, DEXCell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	None	TPO-WB	-45.0
LWC-37.	Structural concrete	Minimum 300 psi, minimum 2-inch thick Celcore Cellular Concrete	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet or GAFGLAS Stratavent Nailable Venting Base Sheet	Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.)	9-inch o.c. at the 2-inch side lap and 9-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	None	TPOFB-WB1	-45.0
LWC-38.	Structural concrete	Minimum 300 psi, minimum 2-inch thick Celcore Cellular Concrete	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet or GAFGLAS Stratavent Nailable Venting Base Sheet	Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.)	9-inch o.c. at the 2-inch side lap and 9-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-AA or SBS-TA	TPOFB-HA1, TPOFB-OB1 or TPOFB-XF1	-45.0

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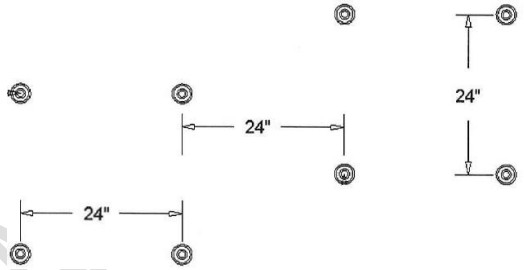
TABLE 4D: LIGHTWEIGHT CONCRETE OVER STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-2: LWC TO DECK, OPTIONAL INSULATION, INDUCTION WELDED ROOF COVER							
System No.	**Deck** (Note 1)	**Lightweight Concrete** (Note 14)	**Insulation Layer**	**Attachment**		**Roof Cover** (Note 15B)	**MDP** (psf)
				Fastener (Note 4, Note 11)	**Density**		
LWC-39.	Min. 22 ga., type BV, Grade 33 steel	Min. 200 psi, min. 2-inch thick pre-existent cellular lightweight insulating concrete.	(Optional) One or more layers, any combination	Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate, through to engage steel deck	Max. 24-inch o.c. in rows spaced max. 30-inch o.c.	EverGuard TPO induction welded	-52.5
LWC-40.	Min. 20 ga., Type B, Grade 33 steel	Min. 200 psi, min. 2-inch thick pre-existent cellular lightweight insulating concrete.	(Optional) One or more layers, any combination	Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate, through to engage steel deck	24x24-inch staggered grid pattern	EverGuard TPO induction welded	-52.5
							

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TABLE 4E: LIGHTWEIGHT CONCRETE OVER STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-1: LWC TO DECK, MECHANICALLY ATTACHED ROOF COVER (THROUGH LWIC TO ENGAGE STRUCTURAL DECK)								
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Insulation (Note 13)		Roof Cover (Note 15A)			MDP (psf)
			Type	Attach (Note 17)	Membrane	Fastener (Note 4, Note 11)	Attachment	
LWC-41.	Min. 22 ga., type BV, Grade 33 steel	Min. 200 psi, min. 2-inch thick pre-existent cellular lightweight insulating concrete.	(Optional) One or more layers, any combination, min. 0.25-inch	Prelim. attach	EverGuard TPO or EverGuard TPO Fleece-Back Membrane	Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate, Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	12-inch o.c. within 6-inch wide laps spaced 54-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0
LWC-42.	Min. 22 ga., type B, Grade 33 steel	FBC approved cellular lightweight insulating concrete	(Optional) One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard TPO Fleece-Back Membrane	Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate or Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate	Fastened through to engage structural deck, 6-inch o.c. within min. 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.625-inch heat weld.	-45.0
LWC-43.	Min. 22 ga., type B, Grade 80 steel	FBC approved cellular lightweight insulating concrete	(Optional) One or more layers, any combination, min. 0.25-inch	Prelim. attach	EverGuard TPO	Drill-Tec SXHD Fastener with Drill-Tec 2-3/4 in. Barbed SXHD Plate	Fastened through to engage structural deck, 12-inch o.c. within 5.5-inch wide laps spaced 114.5-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0
LWC-44.	Min. 22 ga., type B, Grade 80 steel	FBC approved cellular lightweight insulating concrete	(Optional) One or more layers, any combination, min. 0.25-inch	Prelim. attach	EverGuard TPO	Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate or Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate	Fastened through to engage structural deck, 6-inch o.c. within 5-inch wide laps spaced 115-inch o.c. and sealed with a 1.5-inch heat weld.	-52.5
LWC-45.	Min. 22 ga., type BV (0.5%), Grade 33 steel	Min. 200 psi, min. 3-inch thick Elastizell	(Optional) One or more layers, any combination, min. 1-inch	Prelim. Attach	EverGuard TPO	Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate, Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate or Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate	Fastened through to engage structural deck, 6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-52.5
LWC-46.	Min. 22 ga., type B, Grade 33 steel	FBC approved cellular lightweight insulating concrete	(Optional) One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard TPO Fleece-Back Membrane	Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate or Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate	Fastened through to engage structural deck, 6-inch o.c. within min. 6-inch wide laps spaced 112.5-inch o.c. and sealed with a 1.625-inch heat weld.	-60.0

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TABLE 4E: LIGHTWEIGHT CONCRETE OVER STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-1: LWC TO DECK, MECHANICALLY ATTACHED ROOF COVER (THROUGH LWIC TO ENGAGE STRUCTURAL DECK)								
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Insulation (Note 13)		Roof Cover (Note 15A)			MDP (psf)
			Type	Attach (Note 17)	Membrane	Fastener (Note 4, Note 11)	Attachment	
LWC-47.	Min. 22 ga., type BV (0.5%), Grade 33 steel	Min. 330 psi, min. 2-inch thick Celcore Cellular Concrete	(Optional) One or more layers, any combination, min. 0.25-inch	Prelim. attach	EverGuard TPO	Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate or Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate	Fastened through to engage structural deck, 6-inch o.c. within 6-inch wide laps spaced 90-inch o.c. and sealed with a 1.5-inch heat weld.	-60.0
LWC-48.	Min. 22 ga., type BV (0.5%), Grade 33 steel	Min. 330 psi, min. 2-inch thick Celcore Cellular Concrete	(Optional) One or more layers, any combination, min. 0.25-inch	Prelim. attach	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate	Fastened through to engage structural deck, 6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-60.0
LWC-49.	Min. 22 ga., type B, Grade 80 steel	FBC approved cellular lightweight insulating concrete	(Optional) One or more layers, any combination, min. 0.25-inch	Prelim. attach	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2-3/4 in. Barbed SXHD Plate	Fastened through to engage structural deck, 6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-60.0
LWC-50.	Min. 22 ga., type BV, Grade 33 steel	Min. 200 psi, min. 2-inch thick pre-existent cellular lightweight insulating concrete.	(Optional) One or more layers, any combination, min. 0.25-inch	Prelim. attach	EverGuard TPO or EverGuard TPO Fleece-Back Membrane	Drill-Tec XHD Fastener with Drill-Tec 2-3/4 in. Barbed SXHD Plate	12-inch o.c. within 6-inch wide laps spaced 54-inch o.c. and sealed with a 1.5-inch heat weld.	-67.5
LWC-51.	Min. 22 ga., type BV (0.5%), Grade 33 steel	Min. 330 psi, min. 2-inch thick Celcore Cellular Concrete	None	N/A	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate	Fastened through to engage structural deck, 6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-67.5
LWC-52.	Min. 22 ga., type BV (0.5%), Grade 33 steel	Min. 200 psi, min. 3-inch thick Elastizell Lightweight Insulating Concrete	None	N/A	EverGuard TPO Fleece-Back Membrane	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate (to engage steel deck)	Fastened through to engage steel deck, 6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-75.0

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TABLE 4F: LIGHTWEIGHT CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-1: LWC TO DECK, MECHANICALLY ATTACHED ROOF COVER (THROUGH LWIC TO ENGAGE STRUCTURAL DECK)								
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Insulation (Note 13)		Roof Cover			MDP (psf)
			Type	Attach (Note 17)	Membrane	Fastener (Note 4, Note 11)	Attachment	
LWC-53.	Min. 2,500 psi structural concrete	FBC approved cellular lightweight insulating concrete	(Optional) One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard TPO Fleece-Back Membrane	Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	Fastened through to engage structural deck, 6-inch o.c. within min. 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.625-inch heat weld.	-45.0
LWC-54.	Min. 2,500 psi structural concrete	FBC approved cellular lightweight insulating concrete	(Optional) One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard TPO Fleece-Back Membrane	Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	Fastened through to engage structural deck, 6-inch o.c. within min. 6-inch wide laps spaced 112.5-inch o.c. and sealed with a 1.625-inch heat weld.	-60.0

TABLE 4G: LIGHTWEIGHT CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E-2: LWC TO DECK, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER								
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
			Type	Fastener (Note 11)	Attach	Base	Cap	
PRE-EXISTENT CELLULAR LWC (NOTE 14A):								
HYBRID SYSTEMS:								
LWC-55.	Existing min. 22 ga., type BV steel or min. 2,500 psi structural concrete	Pre-existent (re-roof only), min. 2-inch thick cellular lightweight concrete Compressive: 300 psi Withdrawal: 88 lbf	GAFGLAS Stratavent Nailable Venting Base Sheet	Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.)	7.5-inch o.c. at min. 2-inch laps and 7.5-inch o.c. in one center row	SBS-CA or SBS-TA	TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0
LWC-56.	Existing min. 22 ga., type BV steel or min. 2,500 psi structural concrete	Pre-existent (re-roof only), min. 2-inch thick cellular lightweight concrete Compressive: 300 psi Withdrawal: 105 lbf	GAFGLAS Stratavent Nailable Venting Base Sheet	Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.)	9-inch o.c. at min. 2-inch laps and 18-inch o.c. in two (2), equally spaced, staggered center rows	SBS-CA or SBS-TA	TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0
LWC-57.	Min. 22 ga., Type BV, Grade 40 steel at max. 6 ft spans or min. 2,500 psi structural concrete	Pre-existent, min. 2-inch thick cellular lightweight concrete Compressive: 340 psi Withdrawal: 60 lbf	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.), Drill-Tec Locking Impact Nail	7-inch o.c. at min. 4-inch laps and 7-inch o.c. in two, equally spaced, staggered center rows	(Optional) SBS-AA or SBS-TA	TPOFB-HA1 or TPOFB-HA2	-52.5
LWC-58.	Min. 22 ga., Type BV, Grade 40 steel at max. 6 ft spans or min. 2,500 psi structural concrete	Pre-existent, min. 2-inch thick cellular lightweight concrete Compressive: 340 psi Withdrawal: 60 lbf	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.), Drill-Tec Locking Impact Nail	7-inch o.c. at min. 4-inch laps and 7-inch o.c. in two, equally spaced, staggered center rows	SBS-AA or SBS-TA	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5

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TABLE 4G: LIGHTWEIGHT CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E-2: LWC TO DECK, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER								
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
			Type	Fastener (Note 11)	Attach	Base	Cap	
LWC-59.	Min. 22 ga., type BV, Grade 40; 6 ft spans; 5/8" puddle welds or #12 HWH Teks 5, 6" o.c. or min. 2,500 psi structural concrete	Pre-existent (re-roof only), min. 2-inch thick cellular lightweight concrete Compressive: 210 psi Withdrawal: 60 lbf Re-Roof	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.), Drill-Tec Locking Impact Nail	7-inch o.c. at min. 4-inch laps and 7-inch o.c. in two, equally spaced, staggered center rows	SBS-AA or SBS-TA	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-52.5
LWC-60.	Min. 22 ga., type B, Grade 50 steel at max. 6 ft spans or min. 2,500 psi structural concrete	Pre-existent, min. 3-inch thick cellular lightweight concrete Compressive: 180 psi Withdrawal: N/A	Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth	Drill-Tec XHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate or Drill-Tec Eyehook AccuSeam Plate, fastened through LWC to engage steel deck	Fasteners positioned 3.75-inch from edge of sheet, and spaced 12-inch o.c. within the min. 6.25-inch wide laps. Laps sealed with min. 4-inch wide heat-weld, encapsulating the fastener row	(Optional) SBS-TA	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-60.0
LWC-61.	Existing min. 22 ga., type BV steel or min. 2,500 psi structural concrete	Pre-existent (re-roof only), min. 2-inch thick cellular lightweight concrete Compressive: 300 psi Withdrawal: 88 lbf	GAFGLAS Stratavent Nailable Venting Base Sheet	Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.)	7-inch o.c. at min. 3-inch laps and 7-inch o.c. in two (2), equally spaced, staggered center rows	SBS-CA or SBS-TA	TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-75.0
LWC-62.	Min. 22 ga., type BV, Grade 40 steel at max. 6 ft spans or min. 2,500 psi structural concrete	Pre-existent (re-roof only), min. 2-inch thick cellular lightweight concrete Compressive: 210 psi Withdrawal: 95 lbf	Ruberoid 20 Smooth	Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.), Drill-Tec Locking Impact Nail	7-inch o.c. at min. 4-inch laps and 7-inch o.c. in two, equally spaced, staggered center rows	SBS-TA	TPOFB-HA1 or TPOFB-HA2	-82.5
LWC-63.	Min. 22 ga., type BV, Grade 40 steel at max. 6 ft spans or min. 2,500 psi structural concrete	Pre-existent (re-roof only), min. 2-inch thick cellular lightweight concrete Compressive: 210 psi Withdrawal: 95 lbf	GAFGLAS #80 Ultima Base Sheet or GAFGLAS Stratavent Nailable Venting Base Sheet	Drill-Tec Base Sheet Fastener (1.7 in.), Drill-Tec Locking Impact Nail	7-inch o.c. at min. 4-inch laps and 7-inch o.c. in two, equally spaced, staggered center rows	SBS-TA	TPOFB-HA1 or TPOFB-HA2	-82.5
LWC-64.	Existing min. 22 ga., type BV, Grade 33 steel or min. 2,500 psi structural concrete	Pre-existent, min. 2-inch thick cellular lightweight concrete Compressive: 200 psi Withdrawal: N/A	GAFGLAS Stratavent Nailable Venting Base Sheet	Drill-Tec #12 Fastener (steel only), Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3" Steel Plate, Drill-Tec 3" Flat Steel Plate, Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate, Drill-Tec AccuTrac Recessed Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec 3" Recessed Steel Plate or Drill-Tec #12 DF Fastener (steel only) or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate fastened through LWC to engage steel deck	6-inch o.c. at min. 3.5-inch laps and 12-inch o.c. in three (3), equally spaced, staggered center rows	SBS-CA or SBS-TA	TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-82.5

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TABLE 4H: LIGHTWEIGHT CONCRETE OVER STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: LWC TO DECK, BONDED ROOF COVER						
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)			Roof Cover (Note 15)	MDP (psf)
		Type	Min. Compressive Strength (psi)	Min. Thick. (in)		
CELCORE (FL2037):						
LWC-65.	Min. 22 ga., Type BV, Grade 40 steel at max. 6 ft spans	Deck treatment: Celcore S-1 Deck Preparation Slurry LWC: Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture Surface treatment: Celcore PVA Curing Compound	310	2	TPOFB-LM2 or TPOFB-LO2 (6-inch o.c.) or TPOFB-OB2	-75.0
LWC-66.	Min. 22 ga., Type BV, Grade 40 steel at max. 6 ft spans	Deck treatment: Celcore S-1 Deck Preparation Slurry LWC: Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture Surface treatment: Celcore PVA Curing Compound	310	2	TPOFB-LM1 or TPOFB-LO1 (6-inch o.c.) or TPOFB-OB1	-82.5
CONCRECEL (FL5584 AND FL10500):						
LWC-67.	Min. 22 ga., type BV, Grade 33 steel at max. 6 ft spans	Concrecel	290	2	TPOFB-OB1 or TPOFB-OB2	-52.5
ELASTIZELL (FL4994):						
LWC-68.	Min. 22 ga., type BV, Grade 33 steel at max. 6 ft spans	Elastizell	200	3	TPOFB-OB1 or TPOFB-OB2	-60.0
MEARLCRETE (FL13492):						
LWC-69.	Min. 22 ga., type BV, Grade 33 steel at max. 6 ft spans	Mearlcrete	300	2	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (4-inch o.c.), TPOFB-OB1, TPOFB-OB2 or TPOFB-WB1	-52.5
PRE-EXISTENT CELLULAR LWC (NOTE 14A):						
LWC-70.	Min. 22 ga., type BV, Grade 33 steel at max. 6 ft spans	Pre-existent, min. 2-inch thick cellular lightweight concrete Withdrawal: Drill-Tec Base Sheet Fastener (1.7): 117 lbf	400	2	TPO-1121, TPO-QSA or TPO-QSALV50, TPOFB-XF1 or TPOFB-XF2	-52.5
LWC-71.	Min. 22 ga., type BV, Grade 33 steel at max. 6 ft spans	Pre-existent, min. 2-inch thick cellular lightweight concrete Withdrawal: Drill-Tec Base Sheet Fastener (1.7): 97 lbf	180	2	TPOFB-OB1, TPOFB-OB2 or TPOFB-WB1	-52.5
LWC-72.	Min. 22 ga., type BV, Grade 50 steel; 6 ft spans	Pre-existent, min. 2-inch thick cellular lightweight concrete Withdrawal: Drill-Tec Base Sheet Fastener (1.7): 76 lbf Drill-Tec Locking Impact Nail (1.4): 85 lbf Drill-Tec Locking Impact Nail (1.8): 92 lbf	200	2	TPO-1121, TPO-3SQ, TPO-QSALV50, TPOFB-LM1, TPOFB-LM2, TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-WB1, TPOFB-WB2 or TPOFB-XF2	-90.0

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TABLE 4I: LIGHTWEIGHT CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: LWC TO DECK, BONDED ROOF COVER						
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)			Roof Cover (Note 15)	MDP (psf)
		Type	Min. Compressive Strength (psi)	Min. Thick. (in)		
CELCORE (FL2037):						
LWC-73.	Structural concrete	Celcore Cellular Concrete	200	2	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (4-inch o.c.), TPOFB-OB1 or TPOFB-OB2	-300.0
CONCRECEL (FL5584 AND FL10500):						
LWC-74.	Structural concrete	Concrecel	200	2	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (4-inch o.c.), TPOFB-OB1, TPOFB-OB2 orTPOFB-WB1	-225.0
ELASTIZELL (FL4994):						
LWC-75.	Structural concrete	Elastizell	220	2	TPOFB-WB1	-200.0
LWC-76.	Structural concrete	Elastizell	220	2	TPOFB-OB1 or TPOFB-OB2	-200.0
LWC-77.	Structural concrete	Elastizell	200	2	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (4-inch o.c.)	-210.0
SIPLAST INSULCEL (NOA 23-1219.03):						
LWC-78.	Structural concrete	Insulcel	200	2	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (4-inch o.c.), TPOFB-OB1 or TPOFB-OB2	-270.0
MEARLCRETE (FL13492):						
LWC-79.	Structural concrete	Mearlcrete	730	2	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (6-inch o.c.)	-45.0
LWC-80.	Structural concrete	Mearlcrete	290	2	TPOFB-OB1, TPOFB-OB2 or TPOFB-WB1	-205.0
LWC-81.	Structural concrete	Mearlcrete	200	2	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (4-inch o.c.)	-270.0
PRE-EXISTENT CELLULAR LWC (NOTE 14A):						
LWC-82.	Structural concrete	Pre-existent, min. 2-inch thick cellular lightweight concrete Withdrawal: Drill-Tec Base Sheet Fastener (1.7): 97 lbf	180	2	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (4-inch o.c.)	-92.5
LWC-83.	Structural concrete	Pre-existent, min. 2-inch thick cellular lightweight concrete Withdrawal: Drill-Tec Base Sheet Fastener (1.7): 97 lbf	180	2	TPOFB-OB1, TPOFB-OB2 or TPOFB-WB1	-102.5
LWC-84.	Structural concrete	Pre-existent, min. 2-inch thick cellular lightweight concrete Withdrawal: Drill-Tec Base Sheet Fastener (1.7): 97 lbf	180	2	TPOFB-LO1 or TPOFB-LO2 (4-inch o.c.)	-112.5
LWC-85.	Structural concrete	Pre-existent, min. 2-inch thick cellular lightweight concrete Withdrawal: Drill-Tec Base Sheet Fastener (1.7): 117 lbf	400	2	TPO-1121	-127.5
LWC-86.	Structural concrete	Pre-existent, min. 2-inch thick cellular lightweight concrete Withdrawal: Drill-Tec Base Sheet Fastener (1.7): 117 lbf	400	2	TPOFB-XF1 or TPOFB-XF2	-130.0
LWC-87.	Structural concrete	Pre-existent, min. 2-inch thick cellular lightweight concrete Withdrawal: Drill-Tec Base Sheet Fastener (1.7): 117 lbf	400	2	TPO-QSA	-150.0
LWC-88.	Structural concrete	Pre-existent, min. 2-inch thick cellular lightweight concrete Withdrawal: Drill-Tec Base Sheet Fastener (1.7): 117 lbf	400	2	TPO-QSALV50	-154.0
LWC-89.	Structural concrete	Pre-existent, min. 2-inch thick cellular lightweight concrete Withdrawal: Drill-Tec Base Sheet Fastener (1.7): 76 lbf Drill-Tec Locking Impact Nail (1.4): 85 lbf Drill-Tec Locking Impact Nail (1.8): 92 lbf	200	2	TPO-1121, TPO-3SQ, TPOFB-LM1, TPOFB-LMC1, TPOFB-OB1 or TPOFB-WB1	-177.5

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TABLE 4I: LIGHTWEIGHT CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: LWC TO DECK, BONDED ROOF COVER						
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)			Roof Cover (Note 15)	MDP (psf)
		Type	Min. Compressive Strength (psi)	Min. Thick. (in)		
LWC-90.	Structural concrete	Pre-existent, min. 2-inch thick cellular lightweight concrete Withdrawal: Drill-Tec Base Sheet Fastener (1.7): 76 lbf Drill-Tec Locking Impact Nail (1.4): 85 lbf Drill-Tec Locking Impact Nail (1.8): 92 lbf	200	2	TPO-1121, TPO-3SQ, TPO-QSALV50, TPOFB-LM1, TPOFB-LM2, TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-WB1, TPOFB-WB2 or TPOFB-XF2	-190.0
LWC-91.	Structural concrete	Pre-existent, min. 2-inch thick cellular lightweight concrete Withdrawal: Drill-Tec Base Sheet Fastener (1.7): 98 lbf	410	2	TPO-QSALV50; total wet rate 2.7 lbs/square; contact application with ½ to substrate and ½ to membrane backside	-297.5
	Note:	*The reported MDP is the allowable maximum design pressure of the new roof cover adhered to the pre-existent LWC, and is irrespective of the performance of the pre-existent LWC (See Note 12). The deck and pre-existent LWC shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.*				
LWC-92.	Structural concrete	Pre-existent, min. 2-inch thick cellular lightweight concrete Withdrawal: Drill-Tec Base Sheet Fastener (1.7): 178 lbf	540	2	TPO-1121	-487.5

TABLE 4J: LIGHTWEIGHT CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: LWC TO DECK, BONDED BASE AND CAP PLY							
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)			Roof Cover (Note 15)		MDP (psf)
		Type	Min. Compressive Strength (psi)	Min. Thick (in)	Base Ply	Cap Ply	
PRE-EXISTENT CELLULAR LWC (NOTE 14A):							
LWC-93.	Structural concrete	Pre-existent, min. 2-inch thick cellular lightweight concrete Withdrawal: Drill-Tec Base Sheet Fastener (1.7): 85 lbf	230	2	Ruberoid 20 Smooth applied in H.B. Fuller "Millennium Hurricane Force 1-Part Membrane Adhesive" at 1.5 gal/square.	TPOFB-OB2	-112.5
	Note:	*The reported MDP is the allowable maximum design pressure of the new roof cover adhered to the pre-existent LWC, and is irrespective of the performance of the pre-existent LWC (See Note 12). The deck and pre-existent LWC shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.*					
LWC-94.	Structural concrete	Pre-existent, min. 2-inch thick cellular lightweight concrete Withdrawal: Drill-Tec Base Sheet Fastener (1.7): 103 lbf	240	2	Ruberoid 20 Smooth applied in H.B. Fuller "Millennium Hurricane Force 1-Part Membrane Adhesive" at 1.5 gal/square.	TPOFB-OB2	-230.0
	Note:	*The reported MDP is the allowable maximum design pressure of the new roof cover adhered to the pre-existent LWC, and is irrespective of the performance of the pre-existent LWC (See Note 12). The deck and pre-existent LWC shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.*					

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TABLE 4K: LIGHTWEIGHT CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: VAPOR BARRIER TO DECK, LWC TO VAPOR BARRIER, BONDED ROOF COVER								
System No.	Deck (Note 1)	Primer	Vapor Barrier (Note 15)	Lightweight Concrete (Note 14)			Roof Cover (Note 15)	MDP (psf)
				Type	Min. Compressive Strength (psi)	Min. Thick. (in)		
PRE-EXISTENT CELLULAR LWC (NOTE 14A):								
LWC-95.	Structural concrete	Matrix 307 Premium Asphalt Primer	Ruberoid HW Smooth, torch-applied	Pre-existent, min. 2-inch thick cellular lightweight concrete Withdrawal: Drill-Tec Base Sheet Fastener (1.7): 97 lbf	180	2	TPOFB-WB1	-102.5
LWC-96.	Structural concrete	Matrix 307 Premium Asphalt Primer	Ruberoid HW Smooth, torch-applied	Pre-existent, min. 2-inch thick cellular lightweight concrete Withdrawal: Drill-Tec Base Sheet Fastener (1.7): 97 lbf	180	2	TPOFB-LM1 or TPOFB-LM2 (4-inch o.c.)	-92.5
LWC-97.	Structural concrete	Matrix 307 Premium Asphalt Primer	Ruberoid HW Smooth, torch-applied	Pre-existent, min. 2-inch thick cellular lightweight concrete Withdrawal: Drill-Tec Base Sheet Fastener (1.7): 97 lbf	180	2	TPOFB-LO1 or TPOFB-LO2 (4-inch o.c.)	-112.5
LWC-98.	Structural concrete	Matrix 307 Premium Asphalt Primer	Ruberoid HW Smooth, torch-applied	Pre-existent, min. 2-inch thick cellular lightweight concrete Withdrawal: Drill-Tec Base Sheet Fastener (1.7): 97 lbf	180	2	TPOFB-OB1 or TPOFB-OB2	-102.5
LWC-99.	Structural concrete	Matrix 307 Premium Asphalt Primer	Ruberoid HW Smooth, torch-applied	Pre-existent, min. 2-inch thick cellular lightweight concrete Withdrawal: Drill-Tec Base Sheet Fastener (1.7): 146 lbf	540	2	TPOFB-OB1 or TPOFB-OB2	-357.5

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TABLE 5A: CEMENTITIOUS WOOD FIBER DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
EVERGUARD SA TPO:							
CWF-1.	Existing Tectum	Min. 1-inch EnergyGuard Polyiso Insulation or EnergyGuard RA	OB500	(Optional) Additional layers base insulation, flat or tapered	OB500	TPO-SA	-45.0
EVERGUARD TPO:							
CWF-2.	Existing Tectum	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard RA	OB500	(Optional) Additional layers base insulation, flat or tapered	OB500	TPO-1121, TPO-3SQ or TPO-WB	-45.0
CWF-3.	New or existing (reroof) Min. 2-inch Tectum I Plank	Min. 2-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c. to back-side of insulation	(Optional) Additional layers base insulation, flat or tapered	OB500, 6-inch o.c.	TPO-1121	-120.0
CWF-4.	New or existing (reroof) Min. 2-inch Tectum I Plank	Min. 2-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c. to back-side of insulation	Additional layers base insulation, flat or tapered followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500, 6-inch o.c.	TPO-1121	-120.0
CWF-5.	New or existing (reroof) Min. 2-inch Tectum I Plank	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	OB500, 6-inch o.c. to back-side of insulation	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500, 6-inch o.c.	TPO-1121	-127.5
EVERGUARD TPO FLEECE-BACK MEMBRANE OR EVERGUARD TPO FLEECE-BACK MEMBRANE 100, 115 OR 135:							
CWF-6.	Existing Tectum	Min. 1-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Additional layers base insulation, flat or tapered	LRF-M	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-45.0
CWF-7.	Existing Tectum	(Optional) Min. 1-inch EnergyGuard Polyiso Insulation	LRF-M	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-45.0
CWF-8.	Existing Tectum	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard RA	OB500	(Optional) Additional layers base insulation, flat or tapered	OB500	TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0
CWF-9.	Existing Tectum	(Optional) Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard RA	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0
CWF-10.	New or existing (reroof) Min. 2-inch Tectum I Plank	Min. 2-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c. to back-side of insulation	(Optional) Additional layers base insulation, flat or tapered	OB500, 6-inch o.c.	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-120.0
CWF-11.	New or existing (reroof) Min. 2-inch Tectum I Plank	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	OB500, 6-inch o.c. to back-side of insulation	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500, 6-inch o.c.	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-127.5

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TABLE 5B: CEMENTITIOUS WOOD FIBER DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 11)	Attach (Note 17)		
CWF-12.	Existing (reroof) Min. 2.5-inch Tectum Plank or Tectum LS Plank	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation, EnergyGuard RA	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (min. 2-inch embedment)	1 per 2.0 ft²	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*

TABLE 5C: CEMENTITOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER				
System No.	Deck (Note 1)	Primer	Roof Cover (Note 15)	MDP (psf)
CWF-13.	Min. 2-inch Tectum Plank	None	TPOFB-OB1 or TPOFB-OB2	-207.5
CWF-14.	Min. 2-inch Tectum Plank	None	TPOFB-XF1 or TPOFB-XF2	-285.0

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TABLE 6A: GYPSUM DECKS - REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
EVERGUARD SA TPO:							
G-1.	Existing gypsum deck	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-SA	-135.0
G-2.	Existing gypsum deck	Min. 1-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layer(s) of base insulation	OB500	TPO-SA	-142.5
G-3.	Existing gypsum deck	Min. 0.5-inch EnergyGuard Polyiso Insulation	OB500	Additional layer(s) of base insulation	OB500	TPO-SA	-142.5
G-4.	Existing gypsum deck	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-SA	-142.5
G-5.	Existing gypsum deck	Min. 1-inch EnergyGuard RA	OB500	(Optional) Additional layer of base insulation	OB500	TPO-SA	-187.5
EVERGUARD TPO / EVERGUARD TPO 1121 BONDING ADHESIVE OR EVERGUARD TPO 3 SQUARE LOW VOC BONDING ADHESIVE:							
G-6.	Existing gypsum deck	Min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck, DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-1121 or TPO-3SQ	-120.0
G-7.	Existing gypsum deck	Min. 1.5-inch EnergyGuard RA	OB500	Min. 0.25-inch DensDeck, DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-1121 or TPO-3SQ	-130.0
G-8.	Existing gypsum deck	(Optional) Min. 1.5-inch EnergyGuard RA	OB500	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-1121 or TPO-3SQ	-135.0
G-9.	Existing gypsum deck	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	TPO-SA	-165.0
G-10.	Existing gypsum deck	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	TPO-SA	-180.0
G-11.	Existing gypsum deck	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	OB500	(Optional) Additional layer(s) of base insulation	OB500	TPO-1121 or TPO-3SQ	-180.0
G-12.	Existing gypsum deck	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-SA	-187.5
G-13.	Existing gypsum deck	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RA	OB500	(Optional) Additional layer of base insulation	OB500	TPO-1121 or TPO-3SQ	-210.0
EVERGUARD TPO / EVERGUARD WB181 BONDING ADHESIVE:							
G-14.	Existing gypsum deck	Min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	TPO-WB	-120.0
G-15.	Existing gypsum deck	Min. 1.5-inch EnergyGuard RA	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	TPO-WB	-130.0
G-16.	Existing gypsum deck	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	OB500	(Optional) Additional layer(s) of base insulation	OB500	TPO-WB	-135.0
G-17.	Existing gypsum deck	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-WB	-135.0

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TABLE 6A: GYPSUM DECKS - REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
G-18.	Existing gypsum deck	Min. 1-inch EnergyGuard RA	OB500	(Optional) Additional layer of base insulation	OB500	TPO-WB	-210.0
EVERGUARD TPO / EVERGUARD TPO 6 SQUARE LOW VOC BONDING ADHESIVE OR EVERGUARD TPO 3 SQUARE LOW VOC BONDING ADHESIVE:							
G-19.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA, min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-3SQ or TPO-6SQ	-45.0
G-20.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA	OB500	(Optional) Additional layer of base insulation	OB500	TPO-3SQ or TPO-6SQ	-135.0
G-21.	Existing gypsum deck	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-3SQ or TPO-6SQ	-135.0
EVERGUARD TPO / EVERGUARD TPO QUICK SPRAY:							
G-22.	Existing gypsum deck	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	OB500	(Optional) Additional layers of base insulation	OB500	TPO-QSA	-82.5
G-23.	Existing gypsum deck	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-QSA	-82.5
G-24.	Existing gypsum deck	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-QSA	-97.5
G-25.	Existing gypsum deck	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	OB500	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-QSA	-210.0
EVERGUARD TPO / EVERGUARD TPO QUICK SPRAY LV 50:							
G-26.	Existing gypsum deck	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	OB500	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-QSALV50	-97.5
G-27.	Existing gypsum deck	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	TPO-QSALV50	-165.0
G-28.	Existing gypsum deck	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	OB500	(Optional) Min. 1.5-inch Ultra HD Composite Insulation or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-QSALV50	-180.0
G-29.	Existing gypsum deck	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	TPO-QSALV50	-187.5
G-30.	Existing gypsum deck	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	N/A	TPO-QSALV50	-195.0
G-31.	Existing gypsum deck	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	OB500	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-QSALV50	-202.5
G-32.	Existing gypsum deck	Min. 0.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layers of base insulation	OB500	TPO-QSALV50	-210.0

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TABLE 6A: GYPSUM DECKS - REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
G-33.	Existing gypsum deck	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	OB500	Additional optional layers base insulation followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-QSALV50	-210.0

TABLE 6B: GYPSUM DECKS - REROOF (TEAR-OFF) SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)		
EVERGUARD SA TPO:								
G-34.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft²	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPO-SA	-45.0*
G-35.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft²	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPO-SA	-45.0*
G-36.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft²	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPO-SA	-45.0*
G-37.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft²	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPO-SA	-45.0*
G-38.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 3.2 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPO-SA	-45.0*
G-39.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft²	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-SA	-45.0*
G-40.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft²	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-SA	-45.0*
G-41.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft²	Optional min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-SA	-45.0*
G-42.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft²	Optional min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-SA	-45.0*
G-43.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 3.2 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-SA	-45.0*
EVERGUARD TPO:								

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TABLE 6B: GYPSUM DECKS - REROOF (TEAR-OFF) SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)		
G-44.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft²	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
G-45.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft²	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
G-46.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft²	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
G-47.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft²	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
G-48.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 3.2 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
G-49.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft²	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
G-50.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft²	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
G-51.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft²	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
G-52.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft²	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
G-53.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 3.2 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
EVERGUARD TPO FLEECE-BACK MEMBRANE OR EVERGUARD TPO FLEECE-BACK MEMBRANE 100, 115 OR 135:								
G-54.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft²	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPOFB-LM1 or TPOFB-OB1 (12-inch o.c.) or TPOFB-WB1	-45.0*
G-55.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft²	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPOFB-LM2 or TPOFB-OB2 (12-inch o.c.)	-45.0*
G-56.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft²	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPOFB-LM1 or TPOFB-OB1 (12-inch o.c.) or TPOFB-WB1	-45.0*

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TABLE 6B: GYPSUM DECKS - REROOF (TEAR-OFF) SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)		
G-57.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft²	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPOFB-LM2 or TPOFB-OB2 (12-inch o.c.)	-45.0*
G-58.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft²	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPOFB-LM1 or TPOFB-OB1 (12-inch o.c.) or TPOFB-WB1	-45.0*
G-59.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft²	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPOFB-LM2 or TPOFB-OB2 (12-inch o.c.)	-45.0*
G-60.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft²	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-45.0*
G-61.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft²	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPOFB-LM1 or TPOFB-OB1 (12-inch o.c.) or TPOFB-WB1	-45.0*
G-62.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft²	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPOFB-LM2 or TPOFB-OB2 (12-inch o.c.)	-45.0*
G-63.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft²	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-45.0*
G-64.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 3.2 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPOFB-LM1 or TPOFB-OB1 (12-inch o.c.) or TPOFB-WB1	-45.0*
G-65.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 3.2 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPOFB-LM2 or TPOFB-OB2 (12-inch o.c.)	-45.0*
G-66.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 3.2 ft²	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-45.0*
G-67.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft²	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPOFB-LM1 or TPOFB-OB1 (12-inch o.c.) or TPOFB-WB1	-45.0*
G-68.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft²	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPOFB-LM2 or TPOFB-OB2 (12-inch o.c.)	-45.0*
G-69.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft²	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPOFB-LM1 or TPOFB-OB1 (12-inch o.c.) or TPOFB-WB1	-45.0*
G-70.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft²	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPOFB-LM2 or TPOFB-OB2 (12-inch o.c.)	-45.0*

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TABLE 6B: GYPSUM DECKS - REROOF (TEAR-OFF) SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)		
G-71.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft²	Optional min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-LM1 or TPOFB-OB1 (12-inch o.c.) or TPOFB-WB1	-45.0*
G-72.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft²	Optional min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-LM2 or TPOFB-OB2 (12-inch o.c.)	-45.0*
G-73.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft²	Optional min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-45.0*
G-74.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft²	Optional min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-LM1 or TPOFB-OB1 (12-inch o.c.) or TPOFB-WB1	-45.0*
G-75.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft²	Optional min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-LM2 or TPOFB-OB2 (12-inch o.c.)	-45.0*
G-76.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft²	Optional min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-45.0*
G-77.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 3.2 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-LM1 or TPOFB-OB1 (12-inch o.c.) or TPOFB-WB1	-45.0*
G-78.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 3.2 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-LM2 or TPOFB-OB2 (12-inch o.c.)	-45.0*
G-79.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 3.2 ft²	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-45.0*

TABLE 6C: GYPSUM DECKS - REROOF (TEAR-OFF) SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Anchor Sheet			Vapor Barrier (Note 15)	Base Insulation		Top Insulation		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 11)	Attach		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
G-80.	Existing gypsum deck	GAFGLAS #75 Base Sheet or Tri-Ply #75 Base Sheet	Drill-Tec Base Sheet Fastener (1.2 in.) or Drill-Tec Base Sheet Fastener E (1.2 in.) (W/D ≥ 105 lbf)	9-inch o.c. in the min. 2-inch laps and 18-inch o.c. in two, equally spaced center rows	VB-APP-TA (smooth) or VB-SBS-TA	Min. 1.5-inch EnergyGuard RA	OB500	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Structodek HD Fiberboard Roof Insulation	OB500	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*

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TABLE 6D: GYPSUM DECKS - REROOF (TEAR-OFF) SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 11)	Attach (Note 17)		
G-81.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft²	TPO-SA	-45.0*
G-82.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 4.0 ft²	TPO-SA	-45.0*
G-83.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation, EnergyGuard RA	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft²	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
G-84.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 4.0 ft²	TPO-1121, TPO-3SQ, TPO-6SQ or TPO-WB	-45.0*
G-85.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft²	TPOFB-LM1 or TPOFB-OB1 (12-inch o.c.) or TPOFB-WB1	-45.0*
G-86.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft²	TPOFB-LM2 or TPOFB-OB2 (12-inch o.c.)	-45.0*
G-87.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft²	TPOFB-LM1 or TPOFB-OB1 (12-inch o.c.) or TPOFB-WB1	-45.0*
G-88.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard Polyiso-HD Composite Insulation, Ultra HD Composite Insulation	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft²	TPOFB-LM2 or TPOFB-OB2 (12-inch o.c.)	-45.0*

TABLE 6E: GYPSUM DECKS - REROOF (TEAR-OFF) SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER				
System No.	Deck (Note 1 and Note 12)	Primer	Roof Cover (Note 15)	MDP (psf)
G-89.	Existing gypsum deck	None	TPOFB-WB1	-90.0
G-90.	Existing gypsum deck	None	TPOFB-OB1 or TPOFB-OB2	-280.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
EVERGUARD SA TPO:							
R-1.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Additional layer(s) of base insulation	LRF-M	TPO-SA	-110.0
R-2.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 6-inch o.c.	TPO-SA	-157.5
R-3.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 4-inch o.c.	TPO-SA	-200.0
R-4.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPO-SA	-110.0
R-5.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M, 6-inch o.c.	TPO-SA	-157.5
R-6.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M, 4-inch o.c.	TPO-SA	-187.5
R-7.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	TPO-SA	-165.0
R-8.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	TPO-SA	-180.0
R-9.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	TPO-SA	-187.5
R-10.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPO-SA	-75.0
R-11.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPO-SA	-75.0
R-12.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	(Optional) Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPO-SA	-180.0
R-13.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPO-SA	-225.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-14.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch EnergyGuard RA	LRF-M Canister	(Optional) Additional layers of base insulation	LRF-M Canister	TPO-SA	-60.0
R-15.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	(Optional) Additional layers of base insulation	LRF-M Canister	TPO-SA	-142.5
R-16.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPO-SA	-165.0
R-17.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RAor EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-M Canister	TPO-SA	-180.0
R-18.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard RA	LRF-M Canister	Additional optional layers base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-M Canister	TPO-SA	-247.5
R-19.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layer(s) of base insulation	LRF-XF	TPO-SA	-110.0
R-20.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 6-inch o.c.	TPO-SA	-157.5
R-21.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 4-inch o.c.	TPO-SA	-200.0
R-22.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	TPO-SA	-110.0
R-23.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF, 6-inch o.c.	TPO-SA	-157.5
R-24.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF, 4-inch o.c.	TPO-SA	-187.5
R-25.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	TPO-SA	-165.0
R-26.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	TPO-SA	-180.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-27.	Existing granule-surfaced cap sheet	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	(Optional) Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-SA	-180.0
R-28.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	TPO-SA	-187.5
R-29.	Existing smooth-surfaced modified bitumen	(Optional) Min. 1.5-inch EnergyGuard RA	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-SA	-222.5
R-30.	Existing granule-surfaced cap sheet	Min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-SA	-225.0
R-31.	Existing smooth-surfaced asphaltic built-up roof or granule-surfaced modified bitumen	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	None	LRF-XF	TPO-SA	-245.0
R-32.	Existing smooth-surfaced asphaltic built-up roof	Min. 1.5-inch EnergyGuard RA	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-SA	-262.5
R-33.	Existing granule-surfaced modified bitumen	Min. 1.5-inch EnergyGuard RA	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-SA	-270.0
R-34.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layer(s) of base insulation	OB500	TPO-SA	-110.0
R-35.	Existing granule-surfaced APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	(Optional) Additional layer(s) of base insulation	OB500	TPO-SA	-120.0
R-36.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	(Optional) Additional layer of base insulation	OB500, 6-inch o.c.	TPO-SA	-157.5
R-37.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 4-inch o.c.	(Optional) Additional layer of base insulation	OB500, 4-inch o.c.	TPO-SA	-200.0
R-38.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-SA	-110.0
R-39.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500, 6-inch o.c.	TPO-SA	-157.5
R-40.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	OB500, 4-inch o.c.	TPO-SA	-187.5

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-41.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	TPO-SA	-165.0
R-42.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	TPO-SA	-180.0
R-43.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	(Optional) Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-SA	-180.0
R-44.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	TPO-SA	-187.5
R-45.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-SA	-97.5
R-46.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 1.5-inch EnergyGuard RA	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-SA	-120.0
R-47.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-SA	-225.0
EVERGUARD TPO IN EVERGUARD TPO 1121 BONDING ADHESIVE OR EVERGUARD TPO 3 SQUARE LOW VOC BONDING ADHESIVE:							
R-48.	Existing asphalt asphaltic built-up roof or mineral surfaced cap sheet	Min. 1.5-inch EnergyGuard RA	Hot Asphalt	(Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or min. 7/16-inch OSB	Hot asphalt	TPO-1121 or TPO-3SQ	-45.0
R-49.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-M	None	N/A	TPO-1121 or TPO-3SQ	-45.0
R-50.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	None	N/A	TPO-1121 or TPO-3SQ	-45.0
R-51.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Additional layer(s) of base insulation	LRF-M	TPO-1121 or TPO-3SQ	-110.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-52.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 6-inch o.c.	TPO-1121 or TPO-3SQ	-157.5
R-53.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 4-inch o.c.	TPO-1121 or TPO-3SQ	-200.0
R-54.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPO-1121 or TPO-3SQ	-110.0
R-55.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M, 6-inch o.c.	TPO-1121 or TPO-3SQ	-157.5
R-56.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M, 4-inch o.c.	TPO-1121 or TPO-3SQ	-187.5
R-57.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	TPO-1121 or TPO-3SQ	-165.0
R-58.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	TPO-1121 or TPO-3SQ	-180.0
R-59.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	TPO-1121 or TPO-3SQ	-187.5
R-60.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPO-1121 or TPO-3SQ	-75.0
R-61.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	LRF-M	TPO-1121 or TPO-3SQ	-82.5
R-62.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	(Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M	TPO-1121 or TPO-3SQ	-75.0
R-63.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional when using coverboard) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	(Optional when using base insulation) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M	TPO-1121 or TPO-3SQ	-225.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-64.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-M Canister	None	N/A	TPO-1121 or TPO-3SQ	-45.0
R-65.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPO-1121 or TPO-3SQ	-97.5
R-66.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPO-1121 or TPO-3SQ	-165.0
R-67.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	TPO-1121 or TPO-3SQ	-180.0
R-68.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	Additional optional layers base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	TPO-1121 or TPO-3SQ	-232.5
R-69.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	(Optional) Additional layers of base insulation	LRF-M Canister	TPO-1121 or TPO-3SQ	-247.5
R-70.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass Mat Roof Board or 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-XF	None	N/A	TPO-1121 or TPO-3SQ	-67.5
R-71.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	None	N/A	TPO-1121	-67.5
R-72.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SECUROCK Ultralight Coated Glass Mat Roof Board, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-XF, 6-inch o.c.	None	N/A	TPO-1121 or TPO-3SQ	-75.0
R-73.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or EnergyGuard HD Polyiso Cover Board	LRF-XF, 6-inch o.c.	None	N/A	TPO-1121	-75.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-74.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SECUROCK Ultralight Coated Glass Mat Roof Board, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-XF, 4-inch o.c.	None	N/A	TPO-1121 or TPO-3SQ	-157.5
R-75.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or EnergyGuard HD Polyiso Cover Board	LRF-XF, 4-inch o.c.	None	N/A	TPO-1121	-157.5
R-76.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	None	N/A	TPO-1121 or TPO-3SQ	-45.0
R-77.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	TPO-1121 or TPO-3SQ	-110.0
R-78.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 6-inch o.c.	TPO-1121 or TPO-3SQ	-157.5
R-79.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 4-inch o.c.	TPO-1121 or TPO-3SQ	-200.0
R-80.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-XF	(Optional) Additional layers base insulation	LRF-XF	TPO-1121 or TPO-3SQ	-180.0
R-81.	Existing smooth-surfaced modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	TPO-1121 or TPO-3SQ	-222.5
R-82.	Existing smooth-surfaced asphaltic built-up roof	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	TPO-1121 or TPO-3SQ	-262.5
R-83.	Existing granule-surfaced modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	TPO-1121 or TPO-3SQ	-270.0
R-84.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	TPO-1121 or TPO-3SQ	-110.0
R-85.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF, 6-inch o.c.	TPO-1121 or TPO-3SQ	-157.5
R-86.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF, 4-inch o.c.	TPO-1121 or TPO-3SQ	-187.5
R-87.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	TPO-1121 or TPO-3SQ	-165.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-88.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	TPO-1121 or TPO-3SQ	-180.0
R-89.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	Min. 1.5-inch EnergyGuard RA	LRF-XF	Min. 0.25-inch DensDeck or DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-1121 or TPO-3SQ	-130.0
R-90.	Existing smooth-surfaced modified bitumen	(Optional) Min. 2-inch EnergyGuard RA	LRF-XF	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-1121 or TPO-3SQ	-222.5
R-91.	Existing granule-surfaced cap sheet	(Optional when using coverboard) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional when using base insulation) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-1121 or TPO-3SQ	-225.0
R-92.	Existing smooth-surfaced asphaltic built-up roof or granule-surfaced modified bitumen	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	None	N/A	TPO-1121 or TPO-3SQ	-245.0
R-93.	Existing smooth-surfaced asphaltic built-up roof or granule-surfaced modified bitumen	Min. 2-inch EnergyGuard RA	LRF-XF	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-1121 or TPO-3SQ	-247.5
R-94.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	OB500	None	N/A	TPO-1121 or TPO-3SQ	-45.0
R-95.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	Min. 0.5-inch Structodek High Density Fiberboard Rof Insulation	OB500	None	N/A	TPO-1121	-45.0
R-96.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SECUROCK Ultralight Coated Glass Mat Roof Board, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	OB500, 6-inch o.c.	None	N/A	TPO-1121 or TPO-3SQ	-75.0
R-97.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or EnergyGuard HD Polyiso Cover Board	OB500, 6-inch o.c.	None	N/A	TPO-1121	-75.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-98.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SECUROCK Ultralight Coated Glass Mat Roof Board, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	OB500, 4-inch o.c.	None	N/A	TPO-1121 or TPO-3SQ	-157.5
R-99.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or EnergyGuard HD Polyiso Cover Board	OB500, 4-inch o.c.	None	N/A	TPO-1121	-157.5
R-100.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	None	N/A	TPO-1121 or TPO-3SQ	-45.0
R-101.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layer(s) of base insulation	OB500	TPO-1121 or TPO-3SQ	-110.0
R-102.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch EnergyGuard Ultra	OB500	(Optional) Additional layer of base insulation	OB500	TPO-1121 or TPO-3SQ	-120.0
R-103.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	(Optional) Additional layer of base insulation	OB500, 6-inch o.c.	TPO-1121 or TPO-3SQ	-157.5
R-104.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 4-inch o.c.	(Optional) Additional layer of base insulation	OB500, 4-inch o.c.	TPO-1121 or TPO-3SQ	-200.0
R-105.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-1121 or TPO-3SQ	-110.0
R-106.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500, 6-inch o.c.	TPO-1121 or TPO-3SQ	-157.5
R-107.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	OB500, 6-inch o.c.	TPO-1121 or TPO-3SQ	-187.5
R-108.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	TPO-1121 or TPO-3SQ	-165.0
R-109.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	TPO-1121 or TPO-3SQ	-187.5

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-110.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-1121 or TPO-3SQ	-97.5
R-111.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	OB500	TPO-1121 or TPO-3SQ	-82.5
R-112.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch, min. 1.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-1121 or TPO-3SQ	-45.0
R-113.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 1.5-inch EnergyGuard RA, min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck or DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-1121 or TPO-3SQ	-120.0
R-114.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	(Optional when using coverboard) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional when using base insulation) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-1121 or TPO-3SQ	-225.0
EVERGUARD TPO / EVERGUARD WB181 BONDING ADHESIVE:							
R-115.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	None	N/A	TPO-WB	-45.0
R-116.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Additional layer(s) of base insulation	LRF-M	TPO-WB	-110.0
R-117.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 6-inch o.c.	TPO-WB	-157.5
R-118.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 4-inch o.c.	TPO-WB	-200.0
R-119.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPO-WB	-110.0
R-120.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M, 6-inch o.c.	TPO-WB	-157.5
R-121.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M, 4-inch o.c.	TPO-WB	-187.5

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-122.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	TPO-WB	-165.0
R-123.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	TPO-WB	-180.0
R-124.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	TPO-WB	-187.5
R-125.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPO-WB	-75.0
R-126.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	(Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M	TPO-WB	-75.0
R-127.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional when using coverboard) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	(Optional when using base insulation) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPO-WB	-225.0
R-128.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPO-WB	-97.5
R-129.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPO-WB	-165.0
R-130.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Additional optional layer(s) base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	TPO-WB	-180.0
R-131.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	TPO-WB	-232.5
R-132.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M Canister	(Optional) Additional layers of base insulation	LRF-M Canister	TPO-WB	-247.5

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-133.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	None	N/A	TPO-WB	-45.0
R-134.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layer(s) of base insulation	LRF-XF	TPO-WB	-110.0
R-135.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 6-inch o.c.	TPO-WB	-157.5
R-136.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	(Optional) Additional layer(s) base insulation	LRF-XF	TPO-WB	-180.0
R-137.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 4-inch o.c.	TPO-WB	-200.0
R-138.	Existing smooth-surfaced modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	TPO-WB	-222.5
R-139.	Existing smooth-surfaced asphaltic built-up roof	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	TPO-WB	-245.0
R-140.	Existing granule-surfaced modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	TPO-WB	-270.0
R-141.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	TPO-WB	-110.0
R-142.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF, 6-inch o.c.	TPO-WB	-157.5
R-143.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF, 4-inch o.c.	TPO-WB	-187.5
R-144.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	TPO-WB	-165.0
R-145.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	TPO-WB	-180.0
R-146.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	TPO-WB	-187.5

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-147.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 1.5-inch EnergyGuard RA	LRF-XF	Min. 0.25-inch Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-WB	-130.0
R-148.	Existing granule-surfaced cap sheet	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	(Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-WB	-180.0
R-149.	Existing granule-surfaced cap sheet	(Optional when using coverboard) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional when using base insluation) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPO-WB	-225.0
R-150.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	None	N/A	TPO-WB	-45.0
R-151.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layer(s) of base insulation	OB500	TPO-WB	-110.0
R-152.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	(Optional) Additional layer(s) of base insulation	OB500	TPO-WB	-120.0
R-153.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	(Optional) Additional layer of base insulation	OB500, 6-inch o.c.	TPO-WB	-157.5
R-154.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 4-inch o.c.	(Optional) Additional layer of base insulation	OB500, 4-inch o.c.	TPO-WB	-200.0
R-155.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-WB	-110.0
R-156.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500, 6-inch o.c.	TPO-WB	-157.5
R-157.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	OB500, 4-inch o.c.	TPO-WB	-187.5
R-158.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	TPO-WB	-165.0
R-159.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	TPO-WB	-180.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-160.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	TPO-WB	-187.5
R-161.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation	OB500	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-WB	-97.5
R-162.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch, min. 1.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-WB	-45.0
R-163.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch EnergyGuard RA or min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	TPO-WB	-120.0
R-164.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	(Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-WB	-180.0
R-165.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	(Optional when using coverboard) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional when using base insluation) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-WB	-225.0
EVERGUARD TPO IN EVERGUARD TPO 6 SQUARE LOW VOC BONDING ADHESIVE OR EVERGUARD TPO 3 SQUARE LOW VOC BONDING ADHESIVE:							
R-166.	Existing asphalt asphaltic built-up roof or mineral surfaced cap sheet	Min. 1.5-inch EnergyGuard RA	Hot Asphalt	(Optional) Min. 0.25-inch DensDeck Prime	Hot asphalt	TPO-3SQ or TPO-6SQ	-45.0
R-167.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	None	N/A	TPO-3SQ or TPO-6SQ	-45.0
R-168.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Additional layer(s) of base insulation	LRF-M	TPO-3SQ or TPO-6SQ	-110.0
R-169.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 6-inch o.c.	TPO-3SQ or TPO-6SQ	-157.5
R-170.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 4-inch o.c.	TPO-3SQ or TPO-6SQ	-200.0
R-171.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPO-3SQ or TPO-6SQ	-110.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-172.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M, 6-inch o.c.	TPO-3SQ or TPO-6SQ	-157.5
R-173.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M, 4-inch o.c.	TPO-3SQ or TPO-6SQ	-187.5
R-174.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	TPO-3SQ or TPO-6SQ	-165.0
R-175.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	TPO-3SQ or TPO-6SQ	-180.0
R-176.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	TPO-3SQ or TPO-6SQ	-187.5
R-177.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPO-3SQ or TPO-6SQ	-75.0
R-178.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	LRF-M	TPO-3SQ or TPO-6SQ	-82.5
R-179.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	LRF-M	TPO-3SQ or TPO-6SQ	-82.5
R-180.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	(Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M	TPO-3SQ or TPO-6SQ	-75.0
R-181.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	(Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M	TPO-3SQ or TPO-6SQ	-180.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-182.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional when using coverboard) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	(Optional when using base insulation) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M	TPO-3SQ or TPO-6SQ	-225.0
R-183.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPO-3SQ or TPO-6SQ	-97.5
R-184.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPO-3SQ or TPO-6SQ	-165.0
R-185.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	TPO-3SQ or TPO-6SQ	-180.0
R-186.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	TPO-3SQ or TPO-6SQ	-232.5
R-187.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	(Optional) Additional layers of base insulation	LRF-M Canister	TPO-3SQ or TPO-6SQ	-240.0
R-188.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	None	N/A	TPO-3SQ or TPO-6SQ	-45.0
R-189.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layer(s) of base insulation	LRF-XF	TPO-3SQ or TPO-6SQ	-110.0
R-190.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 6-inch o.c.	TPO-3SQ or TPO-6SQ	-157.5
R-191.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layer(s) base insulation	LRF-XF	TPO-3SQ or TPO-6SQ	-180.0
R-192.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 4-inch o.c.	TPO-3SQ or TPO-6SQ	-200.0
R-193.	Existing smooth-surfaced modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	TPO-3SQ or TPO-6SQ	-222.5
R-194.	Existing smooth-surfaced asphaltic built-up roof or granule-surfaced modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	TPO-3SQ or TPO-6SQ	-245.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
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System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-195.	Existing granule-surfaced modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	TPO-3SQ or TPO-6SQ	-270.0
R-196.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	TPO-3SQ or TPO-6SQ	-110.0
R-197.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF, 6-inch o.c.	TPO-3SQ or TPO-6SQ	-157.5
R-198.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF, 4-inch o.c.	TPO-3SQ or TPO-6SQ	-187.5
R-199.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	TPO-3SQ or TPO-6SQ	-165.0
R-200.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	TPO-3SQ or TPO-6SQ	-180.0
R-201.	Existing granule-surfaced cap sheet	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	(Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-3SQ or TPO-6SQ	-180.0
R-202.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	TPO-3SQ or TPO-6SQ	-187.5
R-203.	Existing granule-surfaced cap sheet	(Optional when using coverboard) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional when using base insulation) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-3SQ or TPO-6SQ	-225.0
R-204.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	None	N/A	TPO-3SQ or TPO-6SQ	-45.0
R-205.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layer(s) of base insulation	OB500	TPO-3SQ or TPO-6SQ	-110.0
R-206.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	(Optional) Additional layer(s) of base insulation	OB500	TPO-3SQ or TPO-6SQ	-120.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-207.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	(Optional) Additional layer of base insulation	OB500, 6-inch o.c.	TPO-3SQ or TPO-6SQ	-157.5
R-208.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 4-inch o.c.	(Optional) Additional layer of base insulation	OB500, 4-inch o.c.	TPO-3SQ or TPO-6SQ	-200.0
R-209.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-3SQ or TPO-6SQ	-110.0
R-210.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500, 6-inch o.c.	TPO-3SQ or TPO-6SQ	-157.5
R-211.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	OB500, 4-inch o.c.	TPO-3SQ or TPO-6SQ	-187.5
R-212.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	TPO-3SQ or TPO-6SQ	-165.0
R-213.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	TPO-3SQ or TPO-6SQ	-180.0
R-214.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	(Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-3SQ or TPO-6SQ	-180.0
R-215.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	TPO-3SQ or TPO-6SQ	-187.5
R-216.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-3SQ or TPO-6SQ	-97.5
R-217.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	OB500	TPO-3SQ or TPO-6SQ	-82.5
R-218.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 1.5-inch EnergyGuard RA, min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-3SQ or TPO-6SQ	-45.0

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TABLE 7A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)[A]
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-219.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	(Optional when using coverboard) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional when using base insulation) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-3SQ or TPO-6SQ	-225.0
EVERGUARD TPO / EVERGUARD TPO QUICK SPRAY:							
R-220.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-M	None	N/A	TPO-QSA	-45.0
R-221.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	None	N/A	TPO-QSA	-45.0
R-222.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Additional layer(s) of base insulation	LRF-M	TPO-QSA	-82.5
R-223.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	(Optional) Additional layer(s) of base insulation	LRF-M	TPO-QSA	-82.5
R-224.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPO-QSA	-82.5
R-225.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPO-QSA	-82.5
R-226.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	(Optional) Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M	TPO-QSA	-75.0
R-227.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M	TPO-QSA	-180.0
R-228.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M	TPO-QSA	-225.0
R-229.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPO-QSA	-75.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-230.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPO-QSA	-75.0
R-231.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-M Canister	None	N/A	TPO-QSA	-45.0
R-232.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	(Optional) Additional layer(s) of base insulation	LRF-M Canister	TPO-QSA	-82.5
R-233.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPO-QSA	-82.5
R-234.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPO-QSA	-97.5
R-235.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Additional optional layer(s) base insulation followed by min. 0.25-inch DensDeck Prime	LRF-M Canister	TPO-QSA	-180.0
R-236.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime	LRF-M Canister	TPO-QSA	-232.5
R-237.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	Min. 0.25-inch DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass Mat Roof Board or 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-XF	None	N/A	TPO-QSA	-67.5
R-238.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, SECUROCK Ultralight Coated Glass Mat Roof Board, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-XF, 6-inch o.c.	None	N/A	TPO-QSA	-75.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-239.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, SECUROCK Ultralight Coated Glass Mat Roof Board, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-XF, 4-inch o.c.	None	N/A	TPO-QSA	-157.5
R-240.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	None	N/A	TPO-QSA	-45.0
R-241.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layer(s) of base insulation	LRF-XF	TPO-QSA	-82.5
R-242.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	(Optional) Additional layer(s) of base insulation	LRF-XF	TPO-QSA	-82.5
R-243.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	TPO-QSA	-82.5
R-244.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	TPO-QSA	-82.5
R-245.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	Min. 1.5-inch EnergyGuard RA	LRF-XF	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-QSA	-130.0
R-246.	Existing granule-surfaced cap sheet	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-QSA	-180.0
R-247.	Existing granule-surfaced cap sheet	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-QSA	-225.0
R-248.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	OB500	None	N/A	TPO-QSA	-45.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)[A]
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-249.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, SECUROCK Ultralight Coated Glass Mat Roof Board, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	OB500, 6-inch o.c.	None	N/A	TPO-QSA	-75.0
R-250.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, SECUROCK Ultralight Coated Glass Mat Roof Board, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	OB500, 4-inch o.c.	None	N/A	TPO-QSA	-157.5
R-251.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	None	N/A	TPO-QSA	-45.0
R-252.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layer(s) of base insulation	OB500	TPO-QSA	-82.5
R-253.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	(Optional) Additional layer(s) of base insulation	OB500	TPO-QSA	-82.5
R-254.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-QSA	-82.5
R-255.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-QSA	-82.5
R-256.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch, min. 1.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-QSA	-45.0
R-257.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 1.5-inch EnergyGuard RA or min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-QSA	-120.0
R-258.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-QSA	-180.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-259.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-QSA	-225.0
R-260.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-QSA	-97.5
R-261.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-QSA	-97.5
EVERGUARD TPO / EVERGUARD TPO QUICK SPRAY LV 50:							
R-262.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-M	None	N/A	TPO-QSALV50	-45.0
R-263.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	None	N/A	TPO-QSALV50	-45.0
R-264.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Additional layer(s) of base insulation	LRF-M	TPO-QSALV50	-110.0
R-265.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 6-inch o.c.	TPO-QSALV50	-157.5
R-266.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 4-inch o.c.	TPO-QSALV50	-200.0
R-267.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPO-QSALV50	-110.0
R-268.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M, 6-inch o.c.	TPO-QSALV50	-157.5
R-269.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M, 4-inch o.c.	TPO-QSALV50	-187.5
R-270.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	TPO-QSALV50	-165.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-271.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation or min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPO-QSALV50	-180.0
R-272.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	TPO-QSALV50	-187.5
R-273.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 0.25-inch DensDeck Prime or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M	TPO-QSALV50	-75.0
R-274.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 0.25-inch DensDeck Prime or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M	TPO-QSALV50	-202.5
R-275.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	(Optional) Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPO-QSALV50	-75.0
R-276.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional when using coverboard) Min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional when using base insulation) Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPO-QSALV50	-225.0
R-277.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPO-QSALV50	-75.0
R-278.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-M Canister	None	N/A	TPO-QSALV50	-45.0
R-279.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	(Optional) Additional layers of base insulation	LRF-M Canister	TPO-QSALV50	-180.0
R-280.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	(Optional) Additional layers of base insulation	LRF-M Canister	TPO-QSALV50	-247.5
R-281.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPO-QSALV50	-165.0
R-282.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPO-QSALV50	-97.5

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-283.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	TPO-QSALV50	-180.0
R-284.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime	LRF-M Canister	TPO-QSALV50	-202.5
R-285.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	Additional optional layers base insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	TPO-QSALV50	-232.5
R-286.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	Min. 0.25-inch DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass Mat Roof Board or 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-XF	None	N/A	TPO-QSALV50	-67.5
R-287.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, SECUROCK Ultralight Coated Glass Mat Roof Board, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-XF, 6-inch o.c.	None	N/A	TPO-QSALV50	-75.0
R-288.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, SECUROCK Ultralight Coated Glass Mat Roof Board, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-XF, 4-inch o.c.	None	N/A	TPO-QSALV50	-157.5
R-289.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	None	N/A	TPO-QSALV50	-45.0
R-290.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layer(s) of base insulation	LRF-XF	TPO-QSALV50	-110.0
R-291.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 6-inch o.c.	TPO-QSALV50	-157.5

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-292.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	(Optional) Additional layer(s) base insulation	LRF-XF	TPO-QSALV50	-180.0
R-293.	Existing smooth-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	(Optional) Additional layer(s) of base insulation	LRF-XF	TPO-QSALV50	-180.0
R-294.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 4-inch o.c.	TPO-QSALV50	-200.0
R-295.	Existing smooth-surfaced modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	TPO-QSALV50	-222.5
R-296.	Existing smooth-surfaced asphaltic built-up roof or granule-surfaced modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	TPO-QSALV50	-245.0
R-297.	Existing granule-surfaced modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	TPO-QSALV50	-270.0
R-298.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	TPO-QSALV50	-110.0
R-299.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF, 6-inch o.c.	TPO-QSALV50	-157.5
R-300.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF, 4-inch o.c.	TPO-QSALV50	-187.5
R-301.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	TPO-QSALV50	-165.0
R-302.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	TPO-QSALV50	-187.5
R-303.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 1.5-inch EnergyGuard RA	LRF-XF	Min. 0.25-inch DensDeck Prime or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-QSALV50	-130.0
R-304.	Existing granule-surfaced cap sheet	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 0.25-inch DensDeck Prime or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-QSALV50	-202.5
R-305.	Existing smooth-surfaced modified bitumen	(Optional) Min. 2-inch EnergyGuard RA	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-QSALV50	-222.5
R-306.	Existing granule-surfaced cap sheet	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-QSALV50	-225.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-307.	Existing smooth-surfaced asphaltic built-up roof or granule-surfaced modified bitumen	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	None	N/A	TPO-QSALV50	-245.0
R-308.	Existing smooth-surfaced asphaltic built-up roof or granule-surfaced modified bitumen	Min. 2-inch EnergyGuard RA	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPO-QSALV50	-247.5
R-309.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	None	N/A	TPO-QSALV50	-45.0
R-310.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, SECUROCK Ultralight Coated Glass Mat Roof Board, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	OB500, 6-inch o.c.	None	N/A	TPO-QSALV50	-75.0
R-311.	Existing smooth- or granule-surfaced asphaltic built-up roof or granule-surfaced modified bitumen over steel deck	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, SECUROCK Ultralight Coated Glass Mat Roof Board, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	OB500, 4-inch o.c.	None	N/A	TPO-QSALV50	-157.5
R-312.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	None	N/A	TPO-QSALV50	-45.0
R-313.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layer(s) of base insulation	OB500	TPO-QSALV50	-110.0
R-314.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	(Optional) Additional layer of base insulation	OB500, 6-inch o.c.	TPO-QSALV50	-157.5
R-315.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 4-inch o.c.	(Optional) Additional layer of base insulation	OB500, 4-inch o.c.	TPO-QSALV50	-200.0
R-316.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-QSALV50	-110.0
R-317.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500, 6-inch o.c.	TPO-QSALV50	-157.5

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-318.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	OB500, 4-inch o.c.	TPO-QSALV50	-187.5
R-319.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	TPO-QSALV50	-165.0
R-320.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 1.5-inch Ultra HD Composite Insulation or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-QSALV50	-180.0
R-321.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	TPO-QSALV50	-187.5
R-322.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch, min. 1.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-QSALV50	-45.0
R-323.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch EnergyGuard RA or min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-QSALV50	-120.0
R-324.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 0.25-inch DensDeck Prime or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPO-QSALV50	-202.5
R-325.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 1.5-inch EnergyGuard RA or min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-QSALV50	-120.0
R-326.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPO-QSALV50	-225.0
R-327.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPO-QSALV50	-97.5
EVERGUARD TPO FLEECE-BACK MEMBRANE IN EVERGUARD WB181 BONDING ADHESIVE:							
R-328.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	None	N/A	TPOFB-WB1	-45.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-329.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	None	N/A	TPOFB-WB1	-75.0
R-330.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Additional layer of base insulation	LRF-M	TPOFB-WB1	-110.0
R-331.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 6-inch o.c.	TPOFB-WB1	-157.5
R-332.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 4-inch o.c.	TPOFB-WB1	-200.0
R-333.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPOFB-WB1	-110.0
R-334.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M, 6-inch o.c.	TPOFB-WB1	-157.5
R-335.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M, 4-inch o.c.	TPOFB-WB1	-187.5
R-336.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	TPOFB-WB1	-165.0
R-337.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPOFB-WB1	-180.0
R-338.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	TPOFB-WB1	-187.5
R-339.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPOFB-WB1	-75.0
R-340.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional when using coverboard) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	(Optional when using base insulation) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPOFB-WB1	-225.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-341.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPOFB-WB1	-97.5
R-342.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPOFB-WB1	-165.0
R-343.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Additional optional layer(s) base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	TPOFB-WB1	-180.0
R-344.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	(Optional) Additional layer(s) of base insulation	LRF-M Canister	TPOFB-WB1	-180.0
R-345.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	TPOFB-WB1	-232.5
R-346.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	(Optional) Additional layers of base insulation	LRF-M Canister	TPOFB-WB1	-247.5
R-347.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	None	N/A	TPOFB-WB1	-45.0
R-348.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layer(s) of base insulation	LRF-XF	TPOFB-WB1	-110.0
R-349.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 6-inch o.c.	TPOFB-WB1	-157.5
R-350.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-XF	(Optional) Additional layer(s) base insulation	LRF-XF	TPOFB-WB1	-180.0
R-351.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 4-inch o.c.	TPOFB-WB1	-200.0
R-352.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	TPOFB-WB1	-110.0
R-353.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF, 6-inch o.c.	TPOFB-WB1	-157.5

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-354.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF, 4-inch o.c.	TPOFB-WB1	-187.5
R-355.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	TPOFB-WB1	-165.0
R-356.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPOFB-WB1	-180.0
R-357.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	TPOFB-WB1	-187.5
R-358.	Existing granule-surfaced cap sheet	(Optional when using coverboard) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional when using base insulation) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPOFB-WB1	-225.0
R-359.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	None	OB500	TPOFB-WB1	-45.0
R-360.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layer(s) of base insulation	OB500	TPOFB-WB1	-110.0
R-361.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 0.5-inch EnergyGuard RA	OB500	Additional layer(s) base insulation	OB500	TPOFB-WB1	-120.0
R-362.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	(Optional) Additional layer of base insulation	OB500, 6-inch o.c.	TPOFB-WB1	-157.5
R-363.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 4-inch o.c.	(Optional) Additional layer of base insulation	OB500, 4-inch o.c.	TPOFB-WB1	-200.0
R-364.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPOFB-WB1	-110.0
R-365.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500, 6-inch o.c.	TPOFB-WB1	-157.5
R-366.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	OB500, 4-inch o.c.	TPOFB-WB1	-187.5

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-367.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	TPOFB-WB1	-165.0
R-368.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 1.5-inch Ultra HD Composite Insulation or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-WB1	-180.0
R-369.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	TPOFB-WB1	-187.5
R-370.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPOFB-WB1	-97.5
R-371.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 1.5-inch EnergyGuard RA	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-WB1	-120.0
R-372.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	(Optional when using coverboard) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional when using base insulation) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-WB1	-225.0
EVERGUARD TPO FLEECE-BACK MEMBRANE OR EVERGUARD TPO FLEECE-BACK MEMBRANE 100, 115 OR 135 IN LRF ADHESIVE M OR LRF ADHESIVE O:							
R-373.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 1-inch EnergyGuard RA	LRF-M	Min. 1.5-inch EnergyGuard RA	LRF-M	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0
R-374.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	None	N/A	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0
R-375.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Additional layer of base insulation	LRF-M	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0
R-376.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0
R-377.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-378.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 1-inch EnergyGuard RA or ACFoam II	LRF-M	Min. 1.75-inch ACFoam Composite/GB	LRF-M	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-37.5
R-379.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1-inch EnergyGuard RA	LRF-M	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-37.5
R-380.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1-inch EnergyGuard RA	LRF-M	Min. 0.25-inch DensDeck Prime	LRF-M	TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0
R-381.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1-inch EnergyGuard RA	LRF-M	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0
R-382.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1-inch EnergyGuard RA	LRF-M	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-45.0
R-383.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-165.0
R-384.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-180.0
R-385.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Optional additional layer(s) base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-180.0
R-386.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Optional additional layer(s) base insulation followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M	TPOFB-LM1 or TPOFB-LM2 (4-inch o.c.)	-180.0
R-387.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch EnergyGuard RA	LRF-M Canister	(Optional) Additional layers base insulation	LRF-M Canister	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0
R-388.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch EnergyGuard RA	LRF-M Canister	Min. 0.25-inch DensDeck Prime	LRF-M Canister	TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0
R-389.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime	LRF-M Canister	TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-390.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch EnergyGuard RA	LRF-M Canister	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0
R-391.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	Additional optional layers base insulation followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0
R-392.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	(Optional) Additional layers base insulation	LRF-M Canister	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0
R-393.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0
R-394.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-67.5
R-395.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-165.0
R-396.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Optional additional layer(s) base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-180.0
R-397.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	(Optional) Additional layer(s) base insulation	LRF-M Canister	TPOFB-LM1 or TPOFB-LM2 (4-inch o.c.)	-180.0
R-398.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	None	N/A	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-195.0
R-399.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M Canister	(Optional) Additional layers base insulation	LRF-M Canister	TPOFB-LM1 or TPOFB-LM2 (4-inch o.c.)	-210.0
R-400.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	None	N/A	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0
R-401.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-402.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0
R-403.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0
R-404.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-165.0
R-405.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-180.0
R-406.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-XF	Optional additional layer(s) base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-180.0
R-407.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra	LRF-XF	Optional additional layer(s) base insulation followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPOFB-LM1 or TPOFB-LM2 (4-inch o.c.)	-180.0
R-408.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 1-inch EnergyGuard RA	OB500	Min. 1.5-inch EnergyGuard RA	OB500	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0
R-409.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	None	N/A	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0
R-410.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layer of base insulation	OB500	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0
R-411.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0
R-412.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-413.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 1-inch EnergyGuard RA or ACFoam II	OB500	Min. 1.75-inch ACFoam Composite/GB	OB500	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-37.5
R-414.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1-inch EnergyGuard RA	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-37.5
R-415.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1-inch EnergyGuard RA	OB500	Min. 0.25-inch DensDeck Prime	OB500	TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0
R-416.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1-inch EnergyGuard RA	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-45.0
R-417.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1-inch EnergyGuard RA	OB500	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPOFB-LM1 or TPOFB-LM2 (12-inch o.c.)	-45.0
R-418.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-165.0
R-419.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-180.0
R-420.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	OB500	Optional additional layer(s) base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-180.0
R-421.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	OB500	Optional additional layer(s) base insulation followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPOFB-LM1 or TPOFB-LM2 (4-inch o.c.)	-180.0
EVERGUARD TPO FLEECE-BACK MEMBRANE OR EVERGUARD TPO FLEECE-BACK MEMBRANE 100, 115 OR 135 IN SPATTER APPLICATIONS:							
R-422.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	None	N/A	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0
R-423.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Additional layer(s) of base insulation	LRF-M	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-110.0
R-424.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 6-inch o.c.	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-157.5

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-425.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 4-inch o.c.	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-200.0
R-426.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-110.0
R-427.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M, 6-inch o.c.	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-157.5
R-428.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M, 4-inch o.c.	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-187.5
R-429.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-165.0
R-430.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-180.0
R-431.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-187.5
R-432.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	LRF-M	Optional additional layer(s) base insulation followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-M	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-180.0
R-433.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-M Canister	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M Canister	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-165.0
R-434.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA	LRF-M Canister	(Optional) Additional layer(s)) base insulation	LRF-M Canister	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-180.0
R-435.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA	LRF-M Canister	Optional additional layer(s) base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-180.0
R-436.	Existing smooth- or granule-surfaced asphalt BUR or SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M Canister	None	N/A	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-195.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-437.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	None	N/A	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0
R-438.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-110.0
R-439.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 6-inch o.c.	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-157.5
R-440.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA	LRF-XF	(Optional) Additional layer(s) base insulation	LRF-XF	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-180.0
R-441.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 4-inch o.c.	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-200.0
R-442.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-110.0
R-443.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF, 6-inch o.c.	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-157.5
R-444.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF, 4-inch o.c.	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-187.5
R-445.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-165.0
R-446.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-180.0
R-447.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-187.5
R-448.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA	LRF-XF	Optional additional layer(s) base insulation followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	LRF-XF	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-180.0

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TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate (Note 1 and Note 12)**	**Base Insulation Layer**		**Top Insulation Layer**		**Roof Cover (Note 15)**	**MDP (psf)[A]**
		Type	**Attach (Notes 6,7,8)**	**Type**	**Attach (Notes 6,7,8)**		
R-449.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	None	N/A	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-45.0
R-450.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layer(s) of base insulation	OB500	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-110.0
R-451.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	(Optional) Additional layer of base insulation	OB500, 6-inch o.c.	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-157.5
R-452.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 4-inch o.c.	(Optional) Additional layer of base insulation	OB500, 4-inch o.c.	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-200.0
R-453.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-110.0
R-454.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500, 6-inch o.c.	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-157.5
R-455.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	OB500, 4-inch o.c.	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-187.5
R-456.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-165.0
R-457.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	One or more layer(s), min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-180.0
R-458.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-187.5
R-459.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard Ultra Polyiso Insulation	OB500	Optional additional layer(s) base insulation followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board	OB500	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-180.0

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TABLE 7B: WOOD OR STEEL - RECOVER SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER (All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin.)						
System No.	Substrate (Note 1)	Insulation Layer	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Spacing		
FASTENED TO WOOD STRUCTURE:						
R-460.	Existing standing seam or lap seam metal roof covers having nominal No. 2 wood trusses spaced **max. 96-inch o.c.**	One or more layers, any combination, loose laid	Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec #14 Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	12 x 96-inch o.c. (min. 1-inch embedment into wood structural members)	EverGuard TPO induction welded	-30.0
R-461.	Existing standing seam or lap seam metal roof covers having nominal No. 2 wood trusses spaced **max. 48-inch o.c.**	One or more layers, any combination, loose laid	Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec #14 Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	24 x 48-inch o.c. (min. 1-inch embedment into wood structural members)	EverGuard TPO induction welded	-37.5
R-462.	Existing standing seam or lap seam metal roof covers having nominal No. 2 wood trusses spaced **max. 24-inch o.c.**	One or more layers, any combination	Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec #14 Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	36 x 24-inch o.c. (min. 1-inch embedment into wood structural members)	EverGuard TPO induction welded	-52.5
R-463.	Existing standing seam or lap seam metal roof covers having nominal No. 2 wood trusses spaced **max. 24-inch o.c.**	One or more layers, any combination	Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec #14 Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	24 x 24-inch o.c. (min. 1-inch embedment into wood structural members)	EverGuard TPO induction welded	-75.0
R-464.	Existing standing seam or lap seam metal roof covers having nominal No. 2 wood trusses spaced **max. 24-inch o.c.**	One or more layers, any combination	Drill-Tec #14 Fastener, Drill-Tec #14 DF Fastener, Drill-Tec #14 HD Fastener with Drill-Tec RhinoBond TPO XHD Plate, Drill-Tec TPO IW Plate or Drill-Tec #14 Fastener with Drill-Tec RhinoBond TPO XHD Tread Safe Plate	18 x 24-inch o.c. (min. 1-inch embedment into wood structural members)	EverGuard TPO induction welded	-82.5
FASTENED TO STEEL PURLINS:						
R-465.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0625 inch), 60 ksi steel purlins spaced **max. 72-inch o.c.**	One or more layers, any combination, prelim. attach (Note 17)	Drill-Tec Hex Head Purlin Fastener and Drill-Tec RhinoBond TPO XHD Plate are fastened through to purlins	18-inch o.c. along purlins, 72-inch o.c.	EverGuard TPO induction welded	-30.0
R-466.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi or min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced **max. 60-inch o.c.**	One or more layers, any combination, prelim. attach (Note 17)	Drill-Tec Purlin Fastener or Drill-Tec Hex-Head Purlin Fastener and Drill-Tec RhinoBond TPO XHD Plate are fastened through to purlins	18 x 60-inch o.c. (along purlins)	EverGuard TPO induction welded	-30.0
R-467.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi steel purlins spaced **max. 60-inch o.c.**	One or more layers, any combination, min. 1.5-inch, prelim. attach (Note 17)	Drill-Tec Hex-Head Purlin Fastener and Drill-Tec RhinoBond TPO XHD Plate	18 x 60-inch o.c. (along purlins)	EverGuard TPO induction welded	-30.0
R-468.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0625 inch), 60 ksi steel purlins spaced **max. 120-inch o.c.**	One or more layers, any combination, prelim. attach (Note 17)	Drill-Tec Hex Head Purlin Fastener and Drill-Tec RhinoBond TPO XHD Plate are fastened through to purlins	12 x 120-inch o.c. (along purlins)	EverGuard TPO induction welded	-30.0
R-469.	Existing standing seam or lap seam metal roof covers having min. 14 gauge (0.0747 inch), 50 ksi or min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced **max. 60-inch o.c.**	One or more layers, any combination, prelim. attach (Note 17)	Drill-Tec Purlin Fastener or Drill-Tec Hex Head Purlin Fastener and Drill-Tec RhinoBond TPO XHD Plate are fastened through to purlins	18 x 60-inch o.c. (along purlins)	EverGuard TPO induction welded	-37.5
R-470.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0625 inch), 60 ksi steel purlins spaced **max. 60-inch o.c.**	One or more layers, any combination, prelim. attach (Note 17)	Drill-Tec Purlin Fastener and Drill-Tec RhinoBond TPO XHD Plate are fastened through to purlins	18 x 60-inch o.c. (along purlins)	EverGuard TPO induction welded	-37.5

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TABLE 7B: WOOD OR STEEL - RECOVER
SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER
(All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin.)

System No.	Substrate (Note 1)	Insulation Layer	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Spacing		
R-471.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0625 inch), 60 ksi steel purlins spaced **max. 72-inch o.c.**	One or more layers, any combination, prelim. attach (Note 17)	Drill-Tec Hex Head Purlin Fastener and Drill-Tec RhinoBond TPO XHD Plate are fastened through to purlins	12 x 72-inch o.c. (along purlins)	EverGuard TPO induction welded	-37.5
R-472.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi or min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced **max. 60-inch o.c.**	One or more layers, any combination, prelim. attach (Note 17)	Drill-Tec Purlin Fastener or Drill-Tec Hex-Head Purlin Fastener and Drill-Tec RhinoBond TPO XHD Plate are fastened through to purlins	12 x 60-inch o.c. (along purlins)	EverGuard TPO induction welded	-45.0
R-473.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi steel purlins spaced **max. 60-inch o.c.**	One or more layers, any combination, min. 1.5-inch, prelim. attach (Note 17)	Drill-Tec Hex-Head Purlin Fastener and Drill-Tec RhinoBond TPO XHD Plate	12 x 60-inch o.c. (along purlins)	EverGuard TPO induction welded	-45.0
R-474.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi steel purlins spaced **max. 60-inch o.c.**	One or more layers, any combination, min 1.25-inch total thickness, prelim. attach (Note 17)	Drill-Tec Hex Head Purlin Fastener with Drill-Tec TPO IW Plate or isoweld FI-P-6.8 TPO Plate are fastened through to purlins	18 x 60-inch o.c. (along purlins)	EverGuard TPO or EverGuard Extreme TPO induction welded	-45.0
R-475.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi steel purlins spaced **max. 120-inch o.c.**	One or more layers, any combination, min. 1.5-inch, prelim. attach (Note 17)	Drill-Tec Hex-Head Purlin Fastener and Drill-Tec RhinoBond TPO XHD Plate	6 x 120-inch o.c. (along purlins)	EverGuard TPO induction welded	-52.5
R-476.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi or min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced **max. 72-inch o.c.**	One or more layers, any combination, prelim. attach (Note 17)	Drill-Tec Purlin Fastener or Drill-Tec Hex Head Purlin Fastener and Drill-Tec RhinoBond TPO XHD Plate are fastened through to purlins	6 x 72-inch o.c. (along purlins)	EverGuard TPO induction welded	-67.5
R-477.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi steel purlins spaced **max. 60-inch o.c.**	One or more layers, any combination, min 1.25-inch total thickness, prelim. attach (Note 17)	Drill-Tec Hex Head Purlin Fastener with Drill-Tec TPO IW Plate or isoweld FI-P-6.8 TPO Plate are fastened through to purlins	12 x 60-inch o.c. (along purlins)	EverGuard TPO or EverGuard Extreme TPO induction welded	-67.5
R-478.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0625 inch), 60 ksi steel purlins spaced **max. 60-inch o.c.**	One or more layers, any combination, prelim. attach (Note 17)	Drill-Tec Hex Head Purlin Fastener and Drill-Tec RhinoBond TPO XHD Plate are fastened through to purlins	6 x 60-inch o.c. (along purlins)	EverGuard TPO induction welded	-90.0
R-479.	Existing standing seam or lap seam metal roof covers having min. 14 gauge (0.0747 inch), 50 ksi or min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced **max. 72-inch o.c.**	One or more layers, any combination, prelim. attach (Note 17)	Drill-Tec Purlin Fastener or Drill-Tec Hex Head Purlin Fastener and Drill-Tec RhinoBond TPO XHD Plate are fastened through to purlins	6 x 72-inch o.c. (along purlins)	EverGuard TPO induction welded	-97.5

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TABLE 7c: STEEL - RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER
(All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin.)

System No.	Deck (Note 1)	Insulation (Note 17)	Separator Sheet (Optional)	Roof Cover (Note 15A)			MDP (psf)
				Membrane	Fastener (Note 11)	Attachment	
R-480.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi steel purlins spaced **max. 60-inch o.c.**	One or more layers, any combination, min. 1.625-inch total thicknes, prelim. attached	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO, min. 60-mil	Drill-Tec Purlin Fasteners or Drill-Tec Hex-Head Purlin Fasteners with Drill-Tec 2-1/4" IR Plastic Plate	18-inch o.c. within 6-inch wide laps spaced 60-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-30.0
R-481.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi or min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced **max. 84-inch o.c.**	One or more layers, any combination, prelim. attached	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec Purlin Fastener and Drill-Tec Eyehook AccuSeam Plate or Eyehook Reel-Fast Plate or Drill-Tec #12 Purlin Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	12-inch o.c. within min. 6-inch wide laps spaced max. 84-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-30.0
R-482.	Existing standing seam or lap seam metal roof covers having min. 14 gauge (0.0747 inch), 50 ksi or min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced **max. 84-inch o.c.**	One or more layers, any combination, prelim. attached	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec Purlin Fastener and Drill-Tec 2 in. Double Barbed XHD Plate or Drill-Tec #12 Purlin Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	12-inch o.c. within min. 6-inch wide laps spaced max. 84-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-30.0
R-483.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi or min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced **max. 114-inch o.c.**	One or more layers, any combination, prelim. attached	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec Hex Head Purlin Fastener and Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate or Drill-Tec #12 Purlin Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	12-inch o.c. in rows spaced max. 114-inch o.c. to engage steel purlin. An 8-inch wide cover strip is heat welded over the stress plates.	-30.0
R-484.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 60 ksi steel purlins spaced **max. 120-inch o.c.**	One or more layers, any combination, prelim. attached	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec Hex Head Purlin Fastener and Drill-Tec 2-3/8 in. Barbed XHD Plate or Drill-Tec 2-3/8 in. Double Barbed XHD Plate	12-inch o.c. within min. 6-inch wide laps spaced max. 120-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-30.0
R-485.	Existing standing seam or lap seam metal roof covers having min. 14 gauge (0.0747 inch), 50 ksi or min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced **max. 84-inch o.c.**	One or more layers, any combination, prelim. attached	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec Purlin Fastener and Drill-Tec 2-3/8 in. Barbed XHD Plate or Drill-Tec 2-3/8 in. Double Barbed XHD Plate or Drill-Tec #12 Purlin Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	12-inch o.c. within min. 6-inch wide laps spaced max. 84-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-37.5
R-486.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi steel purlins spaced **max. 66-inch o.c.**	One or more layers, any combination, min. 1.625-inch total thicknes, prelim. attached	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO, min. 60-mil	Drill-Tec Purlin Fasteners or Drill-Tec Hex-Head Purlin Fasteners with Drill-Tec 2-1/4" IR Plastic Plate	12-inch o.c. within 6-inch wide laps spaced 66-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-45.0
R-487.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi or min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced **max. 120-inch o.c.**	One or more layers, any combination, prelim. attached	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec Hex Head Purlin Fastener and Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate or Drill-Tec #12 Purlin Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	6-inch o.c. in rows spaced max. 120-inch o.c. to engage steel purlin. An 8-inch wide cover strip is heat welded over the stress plates.	-45.0

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TABLE 7c: STEEL - RECOVER SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin.)							
System No.	Deck (Note 1)	Insulation (Note 17)	Separator Sheet (Optional)	Roof Cover (Note 15A)			MDP (psf)
				Membrane	Fastener (Note 11)	Attachment	
R-488.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi or min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced **max. 84-inch o.c.**	One or more layers, any combination, prelim. attached	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec Purlin Fastener and Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate or Eyehook Reel-Fast Plate or Drill-Tec #12 Purlin Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	6-inch o.c. within min. 6-inch wide laps spaced max. 84-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-52.5
R-489.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi steel purlins spaced **max. 120-inch o.c.**	One or more layers, any combination, min. 1.625-inch total thicknes, prelim. attached	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO, min. 60-mil	Drill-Tec Purlin Fasteners or Drill-Tec Hex-Head Purlin Fasteners with Drill-Tec 2-1/4" IR Plastic Plate	6-inch o.c. within 6-inch wide laps spaced 120-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-52.5
R-490.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi or min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced **max. 114-inch o.c.**	One or more layers, any combination, prelim. attached	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec Hex Head Purlin Fastener and Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec 2-3/8 in. Double Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate or Drill-Tec #12 Purlin Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	6-inch o.c. in rows spaced max. 114-inch o.c. to engage steel purlin. An 8-inch wide cover strip is heat welded over the stress plates.	-52.5
R-491.	Existing standing seam or lap seam metal roof covers having min. 14 gauge (0.0747 inch), 50 ksi or min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced **max. 84-inch o.c.**	One or more layers, any combination, prelim. attached	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO	Drill-Tec Purlin Fastener and Drill-Tec 2-3/4 in. Barbed SXHD Plate	6-inch o.c. within min. 6-inch wide laps spaced max. 84-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-60.0
R-492.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi steel purlins spaced **max. 66-inch o.c.**	One or more layers, any combination, min. 1.625-inch total thicknes, prelim. attached	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO, min. 60-mil	Drill-Tec Purlin Fasteners or Drill-Tec Hex-Head Purlin Fasteners with Drill-Tec 2-1/4" IR Plastic Plate	6-inch o.c. within 6-inch wide laps spaced 66-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-75.0
R-493.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi or min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced **max. 63-inch o.c.**	One or more layers, any combination, prelim. attached	EverGuard Polymat Separation Layer (3 oz/yd2 or 6 oz/yd2)	EverGuard TPO, min. 60-mil	Drill-Tec Hex Head Purlin Fastener and Drill-Tec 2" Metal Seam Plate	3-inch o.c. in rows spaced max. 63-inch o.c. to engage steel purlin. An 8-inch wide cover strip over the stress plates, sealed with 1.5-inch heat weld on all sides.	-195.0

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TABLE 7D: RECOVER APPLICATIONS SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER			
[A] The reported MDP documents the allowable maximum design pressure of the new roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.			
System No.	**Substrate (Note 1 and Note 12)**	**Roof Cover (Note 15)**	**MDP (psf)[A]**
R-494.	Existing fully adhered TPO single ply roof cover	TPO-1121, TPO-3SQ or TPO-6SQ	-157.5
R-495.	Existing fully adhered TPO single ply roof cover	TPO-QSA or TPO-QSALV50	-135.0
R-496.	Existing fully adhered granule-surfaced asphaltic roof cover, existing fully adhered granule-surfaced SBS modified bitumen or existing fully adhered granule-surfaced APP modified bitumen	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPOFB-LO2 (12-inch o.c.)	-60.0
R-497.	Existing fully adhered granule-surfaced asphaltic roof cover	TPOFB-LM1 or TPOFB-LM2 (6-inch o.c.)	-67.5
R-498.	Existing fully adhered smooth- or granule-surfaced SBS modified bitumen or existing fully adhered smooth- or granule-surfaced APP modified bitumen	TPOFB-LM1, TPOFB-LM2, TPOFB-LO1 or TPO-LO2 (4-inch o.c.)	-337.5
R-499.	Existing fully adhered, granule-surfaced asphaltic roof cover	TPOFB-LO1 or TPOFB-LO2 (4-inch o.c.)	-415.0
R-500.	Existing fully adhered, granule-surfaced asphaltic roof cover	TPOFB-LM1 or TPOFB-LM2 (4-inch o.c.)	-492.5
R-501.	Existing fully adhered, granule-surfaced asphaltic roof cover	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-120.0
R-502.	Existing fully adhered smooth- or granule-surfaced SBS modified bitumen or existing fully adhered granule-surfaced APP modified bitumen	TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-337.5
R-503.	Existing fully adhered, granule-surfaced asphaltic roof cover	TPOFB-HA1 or TPOFB-HA2	-405.0
R-504.	Existing fully adhered, granule-surfaced modified bitumen roof cover	TPOFB-HA2	-445.0

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TABLE 8A: PROPRIETARY DECKS - NEW CONSTRUCTION SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
EVERGUARD SA TPO:							
P-1.	Min. ¾" USG STRUCTO-CRETE® BRAND STRUCTURAL ROOF DECK PANEL FBC FPA FL19921 M-D NOA 23-0316.03	One or more layer(s), min 2 x max. 48 x 48-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation,	LRF-XF or OB500, 6-inch o.c.	None	N/A	TPO-SA	-75.0
P-2.	Min. ¾" USG STRUCTO-CRETE® BRAND STRUCTURAL ROOF DECK PANEL FBC FPA FL19921 M-D NOA 23-0316.03	(Optional) One or more layer(s), min 2 x max. 48 x 48-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation,	LRF-XF or OB500, 6-inch o.c.	Min. 2 x max. 48 x 48-inch Ultra HD Composite Insulation	LRF-XF or OB500, 6-inch o.c.	TPO-SA	-75.0
P-3.	Min. ¾" USG STRUCTO-CRETE® BRAND STRUCTURAL ROOF DECK PANEL FBC FPA FL19921 M-D NOA 23-0316.03	One or more layers, min 2 x max. 48 x 48-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation,	LRF-XF or OB500, 6" o.c.	Min. 0.5 x max. 48 x 48-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or EnergyGuard HD Polyiso Cover Board	LRF-XF or OB500, 6-inch o.c.	TPO-SA	-75.0
EVERGUARD TPO:							
P-4.	Min. ¾" USG STRUCTO-CRETE® BRAND STRUCTURAL ROOF DECK PANEL FBC FPA FL19921 M-D NOA 23-0316.03	One or more layer(s), min 2 x max. 48 x 48-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-XF or OB500, 6-inch o.c.	None	N/A	TPO-3SQ, TPO-6SQ, TPO-QSA or TPO-QSALV50	-75.0
P-5.	Min. ¾" USG STRUCTO-CRETE® BRAND STRUCTURAL ROOF DECK PANEL FBC FPA FL19921 M-D NOA 23-0316.03	(Optional) One or more layer(s), min 2 x max. 48 x 48-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-XF or OB500, 6-inch o.c.	Min. 2 x max. 48 x 48-inch Ultra HD Composite Insulation	LRF-XF or OB500, 6-inch o.c.	TPO-1121, TPO-3SQ, TPO-QSA or TPO-QSALV50	-75.0
P-6.	Min. ¾" USG STRUCTO-CRETE® BRAND STRUCTURAL ROOF DECK PANEL FBC FPA FL19921 M-D NOA 23-0316.03	One or more layers, min 2 x max. 48 x 48-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-XF or OB500, 6" o.c.	Min. 0.5 x max. 48 x 48-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or EnergyGuard HD Polyiso Cover Board	LRF-XF or OB500, 6-inch o.c.	TPO-1121, TPO-3SQ, TPO-QSA or TPO-QSALV50	-75.0
EVERGUARD TPO FLEECE-BACK MEMBRANE:							
P-7.	Min. ¾" USG STRUCTO-CRETE® BRAND STRUCTURAL ROOF DECK PANEL FBC FPA FL19921 M-D NOA 23-0316.03	One or more layer(s), min 2 x max. 48 x 48-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-XF or OB500, 6-inch o.c.	None	N/A	TPOFB-LM1 (spatter), TPOFB-LM2 (spatter), TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-75.0
P-8.	Min. ¾" USG STRUCTO-CRETE® BRAND STRUCTURAL ROOF DECK PANEL FBC FPA FL19921 M-D NOA 23-0316.03	(Optional) One or more layer(s), min 2 x max. 48 x 48-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-XF or OB500, 6-inch o.c.	Min. 2 x max. 48 x 48-inch Ultra HD Composite Insulation	LRF-XF or OB500, 6-inch o.c.	TPOFB-LM1 (spatter), TPOFB-LM2 (spatter), TPOFB-LMC1, TPOFB-LMC2, TPOFB-OB1, TPOFB-OB2, TPOFB-XF1 or TPOFB-XF2	-75.0

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TABLE 8A: PROPRIETARY DECKS - NEW CONSTRUCTION SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
P-9.	Min. ¾" USG STRUCTO-CRETE® BRAND STRUCTURAL ROOF DECK PANEL FBC FPA FL19921 M-D NOA 23-0316.03	One or more layers, min 2 x max. 48 x 48-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation	LRF-XF or OB500, 6" o.c.	Min. 0.5 x max. 48 x 48-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or EnergyGuard HD Polyiso Cover Board	LRF-XF or OB500, 6-inch o.c.	TPOFB-LM1 (4-inch o.c. or spatter), TPOFB-LM2 (4-inch o.c. or spatter), TPOFB-LMC1, TPOFB-LMC2, TPOFB-LO1 (4-inch o.c.), TPOFB-LO2 (4-inch o.c.), TPOFB-OB1, TPOFB-OB2, TPOFB-XF1, TPOFB-XF2, TPOFB-WB1 or TPOFB-WB2	-75.0

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