



NEMO|etc.

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ENGINEER

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EVALUATION REPORT

Versico Roofing Systems

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Evaluation Report C42330.06.13-2B-R14

FL16442-R13

Date of Issuance: 06/27/2013

Revision 14: 03/12/2021

SCOPE:

This Evaluation Report is issued under **Rule 61G20-3** and the applicable rules and regulations governing the use of construction materials in the State of Florida. The documentation submitted has been reviewed by Robert Nieminen, P.E. for use of the product under the Florida Building Code. The product described herein has been evaluated for compliance with the **7th Edition (2020) Florida Building Code, High Velocity Hurricane Zone (HVHZ)** sections noted herein.

DESCRIPTION: Versico VersiFlex Single Ply Roof Systems for use in FBC HVHZ jurisdictions

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

CONTINUED COMPLIANCE: This Evaluation Report 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 Evaluation Reports 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 Evaluation Report relative to updated Code requirements with each Code Cycle.

ADVERTISEMENT: The Florida Product Approval Number (FL#) preceded by the words "NEMO|etc. Evaluated" may be displayed in advertising literature. If any portion of the Evaluation Report is displayed, then it shall be done in its entirety.

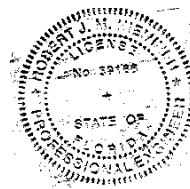
INSPECTION: Upon request, a copy of this entire Evaluation Report shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This Evaluation Report consists of pages 1 through 3, plus a 76-page Appendix.

Prepared by:

Robert J.M. Nieminen, P.E.

Florida Registration No. 59166, Florida DCA ANE1983



The facsimile seal appearing was authorized by Robert Nieminen, P.E. on 03/12/2021. This does not serve as an electronically signed document.

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 evaluation reports 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. 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 Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

ROOFING SYSTEMS EVALUATION:
1. SCOPE:

Product Category: Roofing
Sub-Category: Single Ply Roof Systems
Material: PVC

Compliance Statement: Versico VersiFlex Single Ply Roof Systems, as produced by Versico Roofing Systems, have demonstrated compliance with the following sections of the **7th Edition (2020) Florida Building Code, High Velocity Hurricane Zone (HVHZ)** through testing in accordance with the following Standards. Compliance is subject to the Installation Requirements and Limitations / Conditions of Use set forth herein.

2. STANDARDS:

Section	Property	Standard	Year
TAS 110	Resistance to Foot Traffic	TAS 114, Section 8.9	2011
TAS 110	Wind resistance	TAS 114, Appendix C, D or J	2011
TAS 110	Susceptibility Hail Damage	TAS 114, Appendix F	2011
TAS 110	Susceptibility to Leakage	TAS 114, Appendix G	2011
TAS 110	Material standard	ASTM D4434	2012

3. REFERENCES:

Entity	Examination	Reference	Date
NEMO	Evaluation Report	C42330.06.13-2A-R13	03/12/2021
UL, LLC. (QUA9625)	Traceability	ML R9853	07/19/2017
UL, LLC. (QUA9625)	Quality Assurance	Service Confirmation	12/14/2018
UL, LLC. (QUA9625)	Quality Assurance	Florida BCIS	Current

4. PRODUCT DESCRIPTION:

- 4.1 This Evaluation Report covers **VersiFlex Single Ply Roof Systems** installed in accordance with **Versico Roofing Systems** published installation instructions and the Limitations / Conditions of Use herein.

TABLE 1: EVALUATED MEMBRANES

Type	Product		Material Standard			Plant(s)
			Reference	Type	Grade	
Roof Cover	VersiFlex PVC	50, 60, 80-mil	ASTM D444	III	N/A	IL
	VersiFlex FRS PVC	60, 80-mil	ASTM D444	II	N/A	NJ
	VersiFlex KEE HP	50, 60, 80-mil	ASTM D444	III	N/A	IL
	VersiFleece PVC	60, 80-mil	ASTM D444	III	N/A	IL
	VersiFleece FRS PVC	60, 80-mil	ASTM D444	III	N/A	NJ
	VersiFleece KEE HP	50, 60, 80-mil	ASTM D444	III	N/A	IL
	VersiFleece FRS KEE HP	50, 60, 80-mil	ASTM D444	III	N/A	NJ
	VersiFleece RL PVC	60-mil	ASTM D4434	III	N/A	IL

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 Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.
- 5.2 This Evaluation Report is not for use in Non-High Velocity Hurricane Zone jurisdictions.
- 5.3 The evaluation herein pertains to above-deck roof components; deck-attachment details pertain to 'as-tested' conditions under **Testing Application Standard TAS 114, Appendix J**. Roof decks shall be in accordance with **FBC HVHZ** requirements to the satisfaction of the Authority Having Jurisdiction.
- 5.4 This Evaluation Report does not include evaluation of fire classification. Refer to **FBC HVHZ 1516** for requirements and limitations regarding roof assembly fire classification. Refer to **FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.

- 5.5 This Evaluation Report does not include evaluation of roof edge termination. Refer to **Roofing Application Standard RAS 111** for requirements and limitations regarding edge securement for low-slope roofs.
- 5.6 Refer to **FBC HVHZ 1521** 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 **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 **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 **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 **Testing Application Standard TAS 114** has already been applied). Refer to **FBC HVHZ 1620** and **Roofing Application Standard RAS 128** for determination of design wind loads.
- 5.7.2 For mechanically attached components, 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 HVHZ 1620** or **Roofing Application Standard RAS 128**. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Analysis shall be in accordance with **Roofing Application Standard RAS 117** or **Roofing Application Standard RAS 137**. ****This extrapolation is not permitted for systems marked with an asterisk*.***
- 5.7.3 For assemblies marked with an asterisk*, the maximum design pressure (MDP) limitation shall be applicable to all roof pressure zones. Rational analysis is not permitted.
- 5.8 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 Evaluation Report.

6. INSTALLATION:

VersiFlex Single Ply Roof Systems shall be installed in accordance with **Versico Roofing Systems** published installation instructions, subject to the Limitations / Conditions 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, LLC. – QUA9625; (414) 248-6409; karen.buchmann@ul.com

- THE 76-PAGES THAT FOLLOW FORM PART OF THIS EVALUATION REPORT -

APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE

TABLE	DECK	APPLICATION	TYPE	DESCRIPTION	PAGE
1A	Wood	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	5-7
1B	Wood	New, Reroof (Tear-Off), Recover	C-2	Plate-Bonded Roof Cover	8
1C	Wood	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover	8
2A	Steel	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	9-11
2B	Steel or Structural Concrete	New, Reroof (Tear-Off), Recover	B-1	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	11-20
2C	Steel or Structural Concrete	New, Reroof (Tear-Off), Recover	B-1	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Base Ply, Bonded Roof Cover	21
2D	Steel	New, Reroof (Tear-Off), Recover	B-2	Mech. Attached Thermal Barrier, Bonded Vapor Barrier, Bonded Insulation, Bonded Roof Cover	21-23
2E	Steel or Structural Concrete	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	23-4
2F	Steel	New, Reroof (Tear-Off), Recover	C-2	Plate-Bonded Roof Cover	34-36
2G	Steel or Structural Concrete	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover	36-38
3A	Structural concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	39-51
3B	Structural concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Base Ply, Bonded Roof Cover	52
3C	Structural concrete	New, Reroof (Tear-Off), Recover	C-2	Plate-Bonded Roof Cover	52-53
3D	Structural concrete	New, Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	53
4A	Lightweight concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	54-59
4B	Lightweight concrete over steel	New, Reroof (Tear-Off)	F	LWC to Deck, Bonded Roof Cover	59-61
4C	Lightweight concrete over concrete	New, Reroof (Tear-Off)	F	LWC to Deck, Bonded Roof Cover	62
5A	Cementitious wood fiber	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	63
6A	Existing gypsum	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	64-66
6B	Existing gypsum	Reroof (Tear-Off)	F	None-Insulated, Bonded Roof Cover	66
7A	Various	Recover	A-1	Bonded Insulation, Bonded Roof Cover	67-71
7B	Various	Recover	A-1	Bonded Insulation, Bonded Base Ply, Bonded Roof Cover	72
7C	Steel	Recover	C-2	Plate-Bonded Roof Cover	73
7D	Steel	Recover	D-1	Insulated, Mechanically Attached Roof Cover	74
7E	Various	Recover	F	Non-Insulated, Bonded Roof Cover	75
8A/8B	Guidance / Limitations for use of Hilti fasteners in Type B steel deck securement beneath Versico roof systems				76

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 FBC HVHZ requirements to the satisfaction of the Authority Having Jurisdiction. Deck-attachment details pertain to 'as-tested' conditions under Testing Application Standard TAS 114, Appendix J.
 - As-tested roof cover performance in accordance with FM 4474 and TAS 114, Appendix J indicates min. 22 ga., Type B, Grade 40 steel deck at max. 6 ft spans attached with 5/8-inch diameter puddle welds spaced 6" o.c., with deck side laps secured max. 24" o.c. w/ 1/4"-14x1" long self-tapping hex-head screws, may be used for roof assemblies over steel deck up to a maximum design pressure of -60.0 psf. This does not preclude Note 1 above.
 - Tables 8A and 8B provide guidance / limitations associated with use of fasteners from Hilti, Inc. to secure steel decking to structural members
- 2 Unless otherwise noted, fasteners and stress plates shall be as follows. Fasteners shall be of sufficient length for the following engagements:
 - Wood Deck: HPV Fastener with HPV Insulation Fastening Plate (aka, Versico's Insulation Fastening Plate). Minimum 1-inch wood penetration.
 - Steel Deck: HPV Fastener with HPV Insulation Fastening Plate (aka, Versico's Insulation Fastening Plate). Minimum 3/4-inch steel penetration, engage the top flute of the steel deck.
 - Structural Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with HPV Insulation Fastening Plate (aka, Versico's Insulation Fastening Plate). Minimum 1.25-inch embedment. Fasteners installed with a pilot hole in accordance with the fastener manufacturer's published installation instructions.
- 3 Unless otherwise noted, insulation may be any one layer or combination of FBC Approved (Local or Statewide) board(s) that meet FBC HVHZ 1516 and, for foam plastic, FBC Chapter 26, when installed with the roof cover.
- 4 If mechanical attachment to the structural deck through lightweight insulating concrete is proposed, field withdrawal resistance testing shall be performed to confirm equivalent or determine enhanced fastening patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 117 and/or RAS 137. Calculations shall be prepared, signed and sealed by a qualified design professional.
- 5 Preliminary insulation attachment for System Type D: Minimum four fasteners per 4 x 8 ft board or minimum two fasteners per 4 x 4 ft board.
 - Versico Insultite Fastener may be used in place of HPV Fastener for preliminary attachment purposes over wood and steel deck.
- 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.
 - DASH Dual-Tank (DASH DT) (FULL): Continuous ribbons, 4-inch o.c.
 - DASH Dual-Tank (DASH DT) (RIBBON): Continuous ribbons, 12-inch o.c. Note: When installing multiple layers of insulation, DASH Dual-Tank beads shall be placed perpendicular to those placed for attachment of the previous layer
 - Flexible DASH (FULL): Continuous ribbons, 4-inch o.c. or spray-applied at 1 gal./square.
 - Flexible DASH (SPLATTER): Splatter-applied at 0.5 gal/square (wet) = 4.7 lb/square (dry)
 - Flexible DASH (RIBBON): Continuous ribbons, 12-inch o.c.
 - Flexible DASH Dual-Tank (Flexible DASH DT) (FULL): Continuous ribbons, 4-inch o.c. or spray-applied at 1 gal./square.
 - Flexible DASH Dual-Tank (Flexible DASH DT) (RIBBON): Continuous ribbons, 12-inch o.c.
 - OlyBond 500 (OB500): Continuous ribbons, 12-inch o.c. using PaceCart, SpotShot or Canisters. Note: OlyBond 500 Green may be used where OlyBond 500 is referenced.
 - *Note: FULL applications may be used where RIBBON applications are referenced.*
 - *Note: When multiple layer(s) of insulation and/or coverboard are installed in ribbon-applied adhesive, board joints shall be staggered.*
 - *Note: 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.*
- 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.
 - Flexible DASH: MDP = -157.5 psf (Min. 0.5-inch thick)
 - OlyBond 500 (OB500): MDP = -187.5 psf (Min. 0.5-inch thick)
- 8 Bonded polyisocyanurate insulation boards shall be maximum 4 x 4 ft.

- 9 For mechanically attached components, 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 HVHZ 1620 or Roofing Application Standard RAS 128. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria in accordance with Roofing Application Standard RAS 117 or Roofing Application Standard RAS 137. *This extrapolation is not permitted for systems marked with an asterisk*
- 10 For assemblies marked with an asterisk*, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with FBC 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 in accordance with Testing Application Standard TAS 105. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Should the fastener resistance be less than that required, a revised fastener spacing – prepared, signed and sealed by a qualified design professional in accordance with Roofing Application Standard RAS 117 or Roofing Application Standard RAS 137 – may be submitted to the Building Official for review and acceptance.
- 12 Refer to FBC HVHZ 1521 for requirements and limitations regarding recover installations. 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 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 in accordance with Testing Application Standard TAS 124.
- 13 For Structural Concrete Deck or Recover Applications using System Type C-1, C-2, D-1 or D-2, the insulation is optional. Alternatively, an FBC HVHZ Approved insulation board or coverboard may be used as a separation layer. Board products shall be preliminarily attached prior to roof cover installation (Note 5 herein). The separator component shall be documented as meeting FBC HVHZ 1516 and, for foam plastic, FBC 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 FBC HVHZ 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. 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.
- 15 For bonded membrane applications, unless otherwise noted, refer to the following.

MEMBRANE / ADHESIVE COMBINATIONS			
MEMBRANE	ADHESIVE	METHOD	RATE
VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	VersiFlex Low VOC PVC Bonding Adhesive	Contact (both sides)	1.6 gal/square (½ applied to substrate and ½ applied to membrane)
VersiFlex PVC or VersiFlex FRS PVC	Versico Aqua Base 120 Bonding Adhesive	Contact (both sides)	0.83 to 1 gal/square (½ applied to substrate and ½ applied to membrane)
VersiFlex PVC or VersiFlex FRS PVC	HydroBond Water-Based PVC BA (HydroBond WB)	Wet lay (substrate)	0.75 to 1 gal/square
VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	Contact (both sides)	3.0 lb/square per surface (~800 ft ² /standard cylinder per finished surface)
VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Versico Aqua Base 120 Bonding Adhesive	Wet lay (substrate)	0.83 gal/square
VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	DASH, DASH Dual-Tank (DT)	Wet lay (substrate)	RIBBON spaced as noted herein or FULL = 1 gal/square or continuous ribbons, maximum 4-inch o.c.
VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH	Wet lay (substrate)	RIBBON spaced as noted herein or FULL Coverage = 1 gal/square or continuous ribbons, maximum 4-inch o.c. or splatter-applied at 0.5 gal/square (wet) = 4.7 lb/square (dry)
VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH Dual-Tank (DT)	Wet lay (substrate)	RIBBON spaced as noted herein or FULL Coverage = 1 gal/square; continuous ribbons, max. 4-inch o.c. or splatter-applied at 0.4 gal/square (wet) = 3.7 lb/square (dry)
VersiFleece RL PVC	VELCRO® Brand Securable Solutions	Only for use over VersiCore RL or SecurShield HD RL substrates. Roof cover is broomed into place and rolled with 150 lb roller to establish contact.	

- 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 For System Type C-2 (induction weld), 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.
- 16 Vapor barrier options for use over structural concrete deck followed by bonded insulation carry the following MDP limitations. The lesser of the MDP listings below vs. those in Table 3A applies.

VAPOR BARRIER OPTIONS; STRUCTURAL CONCRETE DECK; FOLLOWED BY ADHESIVE-APPLIED INSULATION PER TABLE 3A OR 3B:					
OPTION #	PRIMER	VAPOR BARRIER		INSULATION ADHESIVE	MDP (PSF)*
		TYPE	APPLICATION		
C-VB-1.	702 Primer, 702 LV Primer, CAV-GRIP Primer or Cav-Grip 3V A/P	Versico 725TR	Self-adhering	Flexible DASH (RIBBONS, 12-inch o.c.)	-157.5
C-VB-2.	702 Primer, 702 LV Primer, CAV-GRIP Primer or Cav-Grip 3V A/P	Versico 725TR	Self-adhering	Flexible DASH DT (RIBBONS, 12-inch o.c.)	-172.5
C-VB-3.	702 Primer, 702 LV Primer, CAV-GRIP Primer or Cav-Grip 3V A/P	Versico 725TR	Self-adhering	Flexible DASH or Flexible DASH DT (RIBBONS, 6-inch o.c.)	-270.0
C-VB-4.	CAV-GRIP Primer or Cav-Grip 3V A/P	Versico 725TR	Self-adhering	Flexible DASH (FULL COVERAGE, 1 gal/square)	-427.5
C-VB-5.	ASTM D41	SureMB 90 Base	Hot-asphalt	Hot asphalt at 25 lbs/square	-172.5
C-VB-6.	ASTM D41	SureMB 90TG Base or 120TG Base	Torch-applied	Hot asphalt at 25 lbs/square	-180.0
C-VB-7.	ASTM D41	SureMB 90TG Base or 120TG Base	Torch-applied	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-307.5
C-VB-8.	ASTM D41	SureMB 90TG Base or 120TG Base	Torch-applied	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-495.0

- 17 The following products are interchangeable within the scope of this Evaluation Report.

ACCEPTABLE ALTERNATES	
Listed Product	Alternate
VersiCore MP-H, SecurShield	VersiCore MP-H, SecurShield NH, H-Shield, H-Shield NH
SecurShield	SecurShield NH, H-Shield CG, H-Shield CG NH
SecurShield HD	SecurShield HD NH, H-Shield HD, H-Shield HD NH
SecurShield HD Plus	SecurShield HD Plus NH, H-Shield HD90, H-Shield HD90 NH
SecurShield HD Composite	H-Shield HD Composite
DuraFaceR	H-Shield NB

- 18 For System Types B-1, B-2, C-1, C-2, D-1 or Type D-2, VapAir Seal MD may be installed atop the roof deck prior to installation of the insulation and roof cover. Refer to FM Loss Prevention Data Sheet 1-29 (February 2020) for design and installation recommendations.
- 19 "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads. Refer to FBC (HVHZ) 1620 and Roofing Application Standard RAS 128 for determination of design wind loads.

**TABLE 1A: 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 (Optional for Recover, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasteners (Note 11)	Attach		
BAREBACK APPLICATIONS:							
W-1.	Min. 19/32-inch CDX plywood or wood plank; 24-inch spans; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Versico Insultite with SecurFast Insulation Fastening Plate	1 per 2.0 ft²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-30.0
W-2.	Min. 19/32-inch CDX plywood or wood plank; 24-inch spans; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Versico Insultite with HPV Insulation Fastening Plate	1 per 2.0 ft²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-37.5
W-3.	Min. 19/32-inch CDX plywood or wood plank; 24-inch spans; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Versico Insultite with HPV Insulation Fastening Plate	1 per 4.0 ft²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-45.0*
W-4.	Min. 19/32-inch CDX plywood or wood plank; 24-inch spans; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH	Versico Insultite with HPV Insulation Fastening Plate	1 per 4.0 ft²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-45.0*
W-5.	Min. 19/32-inch CDX plywood or wood plank; 24-inch spans; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH	Versico Insultite with HPV Insulation Fastening Plate	1 per 2.7 ft²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-45.0
W-6.	Min. 23/32-inch plywood; 24-inch spans; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers	Min. 1.5-inch VersiCore MP-H, SecurShield	Note 2	1 per 2.0 ft²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-45.0*
W-7.	Min. 23/32-inch plywood; 24-inch spans; 8d ring shank nails, 6-inch o.c.	Min. 1.0-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACFoam II	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.0 ft²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-45.0*
W-8.	Min. 23/32-inch plywood; 24-inch spans; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers	Min. 1-inch VersiCore MP-H, SecurShield	Note 2	1 per 1.6 ft²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-45.0*
W-9.	Min. 19/32-inch CDX plywood or wood plank; 24-inch spans; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH	Versico Insultite with HPV Insulation Fastening Plate	1 per 2.0 ft²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-60.0
W-10.	Min. 19/32-inch CDX plywood or wood plank; 24-inch spans; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH	Versico Insultite with HPV Insulation Fastening Plate	1 per 1.8 ft²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-67.5
W-11.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Versico Insultite with HPV Insulation Fastening Plate	1 per 4.0 ft²	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-45.0*
W-12.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH	Versico Insultite with HPV Insulation Fastening Plate	1 per 4.0 ft²	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP in Low VOC PVC BA	-45.0*

**TABLE 1A: 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 (Optional for Recover, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasteners (Note 11)	Attach		
W-13.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Versico Insultite with HPV Insulation Fastening Plate	1 per 2.7 ft ²	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-45.0
W-14.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH	Versico Insultite with HPV Insulation Fastening Plate	1 per 2.7 ft ²	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP in Low VOC PVC BA	-45.0
W-15.	Min. 23/32-inch plywood; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers	Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACFoam II	Note 2	1 per 2.0 ft ²	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-45.0*
W-16.	Min. 23/32-inch plywood; 2-ft span; 8d ring shank nails, 6-inch o.c.	Min. 1.0-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACFoam II	Min. 0.5-inch Versico Recovery Board	Note 2	1 per 2.0 ft ²	VersiFlex PVC or VersiFlex FRS PVC / Low VOC PVC BA	-45.0*
W-17.	Min. 23/32-inch plywood; 2-ft span; 8d ring shank nails, 6-inch o.c.	Min. 1.0-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACFoam II	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.0 ft ²	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-45.0*
W-18.	Min. 23/32-inch plywood; 2-ft span; 8d ring shank nails, 6-inch o.c.	Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACFoam II	Min. 0.25-inch DensDeck Prime	Note 2	1 per 1.6 ft ²	VersiFlex PVC or VersiFlex FRS PVC / Aquabase 120 Water Based BA	-45.0*
W-19.	Min. 23/32-inch plywood; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers	Min. 1-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACFoam II	Note 2	1 per 1.6 ft ²	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-45.0*
W-20.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Versico Insultite with HPV Insulation Fastening Plate	1 per 2.0 ft ²	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-60.0
W-21.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH	Versico Insultite with HPV Insulation Fastening Plate	1 per 2.0 ft ²	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP in Low VOC PVC BA	-60.0
W-22.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Versico Insultite with HPV Insulation Fastening Plate	1 per 1.8 ft ²	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-67.5
W-23.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH	Versico Insultite with HPV Insulation Fastening Plate	1 per 1.8 ft ²	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP in Low VOC PVC BA	-67.5
VERSI FLEECE APPLICATIONS (FULL BOND):							

**TABLE 1A: 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 (Optional for Recover, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasteners (Note 11)	Attach		
W-24.	Min. 23/32-inch plywood	(Optional) One or more layers	Min. 1.5-inch VersiCore MP-H, SecurShield	Note 2	1 per 2.0 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH (FULL), Flexible DASH DT (FULL) or HydroBond WB	-45.0*
W-25.	Min. 23/32-inch plywood	(Optional) One or more layers	Min. 1-inch VersiCore MP-H, SecurShield	Note 2	1 per 1.6 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH (FULL), Flexible DASH DT (FULL) or HydroBond WB	-45.0*
W-26.	Min. 23/32-inch plywood	Min. 1.0-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.0 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH (FULL), Flexible DASH DT (FULL) or HydroBond WB	-45.0*
W-27.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Versico Insultite with HPV Insulation Fastening Plate	1 per 4.0 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
W-28.	Min. 23/32-inch plywood; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 3.2 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
W-29.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Versico Insultite with HPV Insulation Fastening Plate	1 per 2.7 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0
W-30.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Versico Insultite with HPV Insulation Fastening Plate	1 per 2.0 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-60.0
W-31.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Versico Insultite with HPV Insulation Fastening Plate	1 per 1.8 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-67.5
W-32.	Min. 19/32-inch CDX plywood or wood plank at max. 2-ft span; 8d ring shank nails, 6-inch o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Versico Insultite with HPV Insulation Fastening Plate	1 per 2.0 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond W-B	-75.0

TABLE 1B: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-2: PLATE-BONDED ROOF COVER

System No.	Deck (Note 1)	Insulation Layer(s) (Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fasteners (Note 11)	Density / Pattern		
RHINO BOND SYSTEMS:						
W-33.	Min. 19/32-inch plywood; 2-ft span	(Optional) One or more layers, any thickness or combination	HPV-X Fasteners and RHINO BOND Plates (PVC)	1 per 5.3 ft² (6 parts per 4 x 8 ft board)	VersiFlex PVC or VersiFlex KEE HP induction welded to RHINO BOND Plates (PVC) with RHINO BOND bonding tool.	-45.0*
W-34.	Min. 19/32-inch plywood; 2-ft span	(Optional) One or more layers, any thickness or combination	HPV-X Fasteners and RHINO BOND Plates (PVC)	1 per 4.0 ft² (2 x 2 ft grid pattern)	VersiFlex PVC or VersiFlex KEE HP induction welded to RHINO BOND Plates (PVC) with RHINO BOND bonding tool.	-45.0*
W-35.	Min. 19/32-inch (for new construction) or min. 15/32-inch (for re-roof or recover) plywood; 2-ft span; 8d ring shank nails 6-inch o.c.	(Optional) One or more layers, any thickness or combination	HPV-X Fasteners and RHINO BOND Plates (PVC)	1 per 2.7 ft² (12 parts per 4 x 8 ft board)	VersiFlex PVC or VersiFlex KEE HP induction welded to RHINO BOND Plates (PVC) with RHINO BOND bonding tool.	-45.0
W-36.	Min. 19/32-inch (for new construction) or min. 15/32-inch (for re-roof or recover) plywood; 2-ft span; 8d ring shank nails 6-inch o.c.	(Optional) One or more layers, any thickness or combination	HPV-X Fasteners and RHINO BOND Plates (PVC)	Max. 6" o.c. in rows max. 60" o.c.	VersiFlex PVC or VersiFlex KEE HP induction welded to RHINO BOND Plates (PVC) with RHINO BOND bonding tool.	-60.0
W-37.	Min. 19/32-inch plywood; 2-ft span; 8d ring shank nails 6-inch o.c.	(Optional) One or more layers, any thickness or combination	HPV-X Fasteners and RHINO BOND Plates (PVC)	1 per 2.7 ft² (12 parts per 4 x 8 ft board)	VersiFlex PVC or VersiFlex KEE HP induction welded to RHINO BOND Plates (PVC) with RHINO BOND bonding tool.	-67.5

TABLE 1C: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER

System No.	Deck (Note 1)	Insulation Layer (Note 13)		Roof Cover						MDP (psf)
		Type	Attach (Note 5)	Membrane	Fasteners	Fastener Spacing (inch o.c.)	Lap Width (inch)	Lap Spacing (inch o.c.)	Seam Weld (inch)	
W-38.	Min. 23/32-inch plywood or wood plank at max. 2-ft span attached using Trufast Spax 8x1-½, Spax 8x2, Spax 10x1½, Spax 10x2 fasteners or OMG Fasten-Master GuardDog 1-5/8 in. or 2 in. screws spaced 6-inch o.c. in the field and spaced 3-inch o.c. at the panel ends.	One or more layers, any combination	prelim. attach	VersiFlex PVC, VersiFleece PVC, VersiFlex KEE HP or VersiFleece KEE HP	HPV-X Fasteners and HPV-X Plates	6	5.5	75.5	1.5	-52.5
W-39.	Min. 19/32-inch plywood or wood plank at max. 2-ft span attached using 8d ring shank nails spaced 6-inch o.c. in the field and #10 ring shank nails spaced 4-inch o.c. at the perimeter	One or more layers, any combination	prelim. attach	VersiFlex PVC, VersiFleece PVC, VersiFlex KEE HP or VersiFleece KEE HP	HPV-X Fasteners and HPV-X Plates	6	5.5	75.5	1.5	-60.0

TABLE 2A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Vapor Barrier	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)	Membrane	Application	
BAREBACK APPLICATIONS:									
SC-1.	Min. 22 ga., type B, Grade 33 steel; 6 ft span, Tek/5 screws, 6" o.c.	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch VersiCore MP-H, SecurShield and/or SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-82.5
SC-2.	Min. 22 ga., type B, Grade 33 steel; 6 ft span, Tek/5 screws, 6" o.c.	None	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	None	N/A	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-105.0
SC-3.	Min. 22 ga., type B, Grade 33 steel; 6 ft span, Tek/5 screws, 6" o.c.	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-67.5
SC-4.	Min. 22 ga., type B, Grade 33 steel; 6 ft span, Tek/5 screws, 6" o.c.	(Optional) VapAir Seal MD, self-adhering	Min. 2-inch SecurShield and/or SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-82.5
SC-5.	Min. 22 ga., type B, Grade 33 steel; 6 ft span, Tek/5 screws, 6" o.c.	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	<u>Additional Insulation Layer(s)</u> : (Optional) Min. 1.5-inch base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-82.5
SC-6.	Min. 22 ga., type B, Grade 33 steel; 6 ft span, Tek/5 screws, 6" o.c.	(Optional) VapAir Seal MD, self-adhering	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-82.5

TABLE 2A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Vapor Barrier	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)	Membrane	Application	
SC-7.	Min. 22 ga., type B, Grade 33 steel; 6 ft span, Tek/5 screws, 6" o.c.	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch VersiCore MP-H, SecurShield and/or SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-82.5
SC-8.	Min. 22 ga., type B, Grade 33 steel; 6 ft span, Tek/5 screws, 6" o.c.	(Optional) VapAir Seal MD, self-adhering	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-82.5
SC-9.	Min. 22 ga., type B, Grade 33 steel; 6 ft span, Tek/5 screws, 6" o.c.	None	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	None	N/A	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-105.0
VERSI FLEECE APPLICATIONS (FULL BOND):									
SC-10.	Min. 22 ga., type B, Grade 33 steel; 6 ft span, Tek/5 screws, 6" o.c.	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch VersiCore MP-H, SecurShield and/or SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-82.5
SC-11.	Min. 22 ga., type B, Grade 33 steel; 6 ft span, Tek/5 screws, 6" o.c.	(Optional) VapAir Seal MD, self-adhering	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-82.5
SC-12.	Min. 22 ga., type B, Grade 33 steel; 6 ft span, Tek/5 screws, 6" o.c.	None	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	None	N/A	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-105.0
VERSI FLEECE RL PVC APPLICATIONS:									
SC-13.	Min. 22 ga., type B, Grade 33 steel; 6 ft span, Tek/5 screws, 6" o.c.	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch VersiCore RL	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	None	N/A	VersiFleece RL PVC		-82.5

TABLE 2A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Vapor Barrier	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)	Membrane	Application	
SC-14.	Min. 22 ga., type B, Grade 33 steel; 6 ft span, Tek/5 screws, 6" o.c.	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD RL or min. 1.5-inch VersiCore RL	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece RL PVC		-82.5
SC-15.	Min. 22 ga., type B, Grade 33 steel; 6 ft span, Tek/5 screws, 6" o.c.	None	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	Min. 0.5-inch SecurShield HD RL	Flexible DASH or Flexible DASH DT (FULL)	VersiFleece RL PVC		-105.0

TABLE 2B: 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(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 11)	Attach	Type	Attach (Notes 6,7,8)		
BAREBACK APPLICATIONS:								
SC-16.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Note 2	1 per 3.2 ft²	Min. 1.0-inch base insulation	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-45.0*
SC-17.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch VersiCore MP-H, SecurShield	Note 2	1 per 4.0 ft²	Min. 1.0-inch base insulation	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-45.0*
SC-18.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Note 2	1 per 3.2 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-45.0*
SC-19.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch VersiCore MP-H, SecurShield	Note 2	1 per 4.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-45.0*
SC-20.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck followed by min. 2.0-inch Insulfoam VIII	Note 2	1 per 2.0 ft²	Min. 2.0-inch Insulfoam HD Composite	Flexible DASH (RIBBON, 6-inch o.c.)	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-45.0*

TABLE 2B: 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(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 11)	Attach	Type	Attach (Notes 6,7,8)		
SC-21.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Teks 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC (min. 60-mil) or VersiFlex FRS PVC (min. 60-mil) / CAV-GRIP PVC Adhesive	-45.0
SC-22.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Teks 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFlex PVC (min. 60-mil) or VersiFlex FRS PVC (min. 60-mil) / CAV-GRIP PVC Adhesive	-52.5
SC-23.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Teks 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC (min. 60-mil) or VersiFlex FRS PVC (min. 60-mil) / CAV-GRIP PVC Adhesive	-60.0
SC-24.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Teks 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-60.0
SC-25.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Teks 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFlex PVC (min. 60-mil) or VersiFlex FRS PVC (min. 60-mil) / CAV-GRIP PVC Adhesive	-67.5
SC-26.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H	Note 2	1 per 1.6 ft ²	Min. 1.0-inch base insulation	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-67.5
SC-27.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Teks 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFlex PVC (min. 60-mil) or VersiFlex FRS PVC (min. 60-mil) / CAV-GRIP PVC Adhesive	-75.0

TABLE 2B: 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(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 11)	Attach	Type	Attach (Notes 6,7,8)		
SC-28.	Min. 22 ga., type B, Grade 33 steel, 6 ft span, Traxx/5 6" o.c. or min. 2,500 psi structural concrete or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 4-inch o.c.)	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-82.5
SC-29.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; two (2) #12 HWH Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (FULL)	VersiFlex PVC (min. 60-mil) or VersiFlex FRS PVC (min. 60-mil) / CAV-GRIP PVC Adhesive	-82.5
SC-30.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; two (2) #12 HWH Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (FULL)	VersiFlex PVC (min. 60-mil) or VersiFlex FRS PVC (min. 60-mil) / CAV-GRIP PVC Adhesive	-82.5
SC-31.	Min. 22 ga., type B, Grade 80 steel; 6 ft span, two (2) Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 4-inch o.c.)	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-90.0
SC-32.	Min. 22 ga., type B, Grade 80 steel; 6 ft span; two (2) #12 HWH Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (FULL)	VersiFlex PVC (min. 60-mil) or VersiFlex FRS PVC (min. 60-mil) / CAV-GRIP PVC Adhesive	-112.5
SC-33.	Min. 22 ga., type B, Grade 80 steel; 6 ft span; two (2) #12 HWH Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (FULL)	VersiFlex PVC (min. 60-mil) or VersiFlex FRS PVC (min. 60-mil) / CAV-GRIP PVC Adhesive	-135.0
SC-34.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Note 2	1 per 3.2 ft ²	Min. 1.0-inch base insulation	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-45.0*

TABLE 2B: 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(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 11)	Attach	Type	Attach (Notes 6,7,8)		
SC-35.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch VersiCore MP-H, SecurShield	Note 2	1 per 4.0 ft ²	Min. 1.0-inch base insulation	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-45.0*
SC-36.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Note 2	1 per 3.2 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-45.0*
SC-37.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch VersiCore MP-H, SecurShield	Note 2	1 per 4.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-45.0*
SC-38.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck followed by min. 2.0-inch Insulfoam IX	Note 2	1 per 2.0 ft ²	Min. 2.0-inch Insulfoam HD Composite (Type IX)	Flexible DASH (RIBBON, 6-inch o.c.)	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-45.0*
SC-39.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP (min. 60-mil) in Low VOC PVC BA	-45.0
SC-40.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFlex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP (min. 60-mil) in Low VOC PVC BA	-52.5
SC-41.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP (min. 60-mil) in Low VOC PVC BA	-60.0
SC-42.	Min. 22 ga., type B, Grade 33 steel; 6 ft span, Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP in Low VOC PVC BA	-60.0

TABLE 2B: 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(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 11)	Attach	Type	Attach (Notes 6,7,8)		
SC-43.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFlex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP (min. 60-mil) in Low VOC PVC BA	-67.5
SC-44.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Note 2	1 per 1.6 ft ²	Min. 1.0-inch base insulation	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-67.5
SC-45.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFlex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP (min. 60-mil) in Low VOC PVC BA	-75.0
SC-46.	Min. 22 ga., type B, Grade 33 steel, 6 ft span, Traxx/5 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 4-inch o.c.)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP in Low VOC PVC BA	-82.5
SC-47.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; two (2) #12 HWH Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (FULL)	VersiFlex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP (min. 60-mil) in Low VOC PVC BA	-82.5
SC-48.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; two (2) #12 HWH Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (FULL)	VersiFlex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP (min. 60-mil) in Low VOC PVC BA	-82.5
SC-49.	Min. 22 ga., type B, Grade 80 steel; 6 ft span, two (2) Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 4-inch o.c.)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP in Low VOC PVC BA	-90.0

TABLE 2B: 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(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 11)	Attach	Type	Attach (Notes 6,7,8)		
SC-50.	Min. 22 ga., type B, Grade 80 steel; 6 ft span; two (2) #12 HWH Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (FULL)	VersiFlex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP (min. 60-mil) in Low VOC PVC BA	-112.5
SC-51.	Min. 22 ga., type B, Grade 80 steel; 6 ft span; two (2) #12 HWH Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (FULL)	VersiFlex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP (min. 60-mil) in Low VOC PVC BA	-135.0
SC-52.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or AC Foam II	Note 2	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch Versico Recovery Board	OB500	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA	-45.0*
SC-53.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or AC Foam II	Note 2	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	OB500	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-45.0*
VERSI FLEECE APPLICATIONS (FULL BOND):								
SC-54.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or AC Foam II	Note 2	1 per 2.0 ft ²	Additional layers of base insulation	Flexible DASH (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH (FULL)	-45.0*
SC-55.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers Min. 1.5-inch VersiCore MP-H, SecurShield	Note 2	1 per 2.0 ft ²	Additional layers of base insulation	Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH (FULL)	-45.0*
SC-56.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers Min. 1.5-inch VersiCore MP-H, SecurShield	Note 2	1 per 2.0 ft ²	Additional layers of base insulation	Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH DT (FULL)	-45.0*
SC-57.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Note 2	1 per 3.2 ft ²	Min. 1.0-inch base insulation	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-45.0*

TABLE 2B: 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(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 11)	Attach	Type	Attach (Notes 6,7,8)		
SC-58.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Note 2	1 per 3.2 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck or DensDeck Prime	Flexible DASH (RIBBON) or Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH (FULL)	-45.0*
SC-59.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Note 2	1 per 3.2 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH DT (FULL)	-45.0*
SC-60.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch VersiCore MP-H, SecurShield	Note 2	1 per 4.0 ft ²	Min. 1.0-inch base insulation	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
SC-61.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch VersiCore MP-H, SecurShield	Note 2	1 per 4.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck or DensDeck Prime	Flexible DASH (RIBBON) or Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH (FULL)	-45.0*
SC-62.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch VersiCore MP-H, SecurShield	Note 2	1 per 4.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH DT (FULL)	-45.0*
SC-63.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck followed by min. 2.0-inch Insulfoam IX	Note 2	1 per 2.0 ft ²	Min. 2.0-inch Insulfoam HD Composite (Type IX)	Flexible DASH (RIBBON, 6-inch o.c.)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
SC-64.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0
SC-65.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-52.5
SC-66.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-60.0

TABLE 2B: 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(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 11)	Attach	Type	Attach (Notes 6,7,8)		
SC-67.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-60.0
SC-68.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-67.5
SC-69.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-67.5
SC-70.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Note 2	1 per 1.6 ft ²	Min. 1.0-inch base insulation	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-67.5
SC-71.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-75.0
SC-72.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; two (2) #12 HWH Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Note 2	1 per 1.6 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 2-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-82.5
SC-73.	Min. 22 ga., type B, Grade 33 steel, 6 ft span, Traxx/5 6" o.c. or min. 2,500 psi structural concrete or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 4-inch o.c.)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-82.5

TABLE 2B: 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(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 11)	Attach	Type	Attach (Notes 6,7,8)		
SC-74.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; two (2) #12 HWH Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (FULL)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-82.5
SC-75.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; two (2) #12 HWH Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (FULL)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-82.5
SC-76.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; two (2) #12 HWH Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (FULL)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-82.5
SC-77.	Min. 22 ga., type B, Grade 80 steel; 6 ft span; two (2) Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 4-inch o.c.)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-90.0
SC-78.	Min. 22 ga., type B, Grade 80 steel; 6 ft span; two (2) #12 HWH Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (FULL)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-112.5
SC-79.	Min. 22 ga., type B, Grade 80 steel; 6 ft span; two (2) #12 HWH Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (FULL)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-112.5
SC-80.	Min. 22 ga., type B, Grade 80 steel; 6 ft span; two (2) #12 HWH Tek 5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (FULL)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-135.0

TABLE 2B: 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(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 11)	Attach	Type	Attach (Notes 6,7,8)		
SC-81.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Note 2	1 per 2.7 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 0.25-inch SECUROCK Gypsum- Fiber Roof Board	OB500	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
SC-82.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Note 2	1 per 1.6 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 0.25-inch SECUROCK Gypsum- Fiber Roof Board	OB500	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-60.0
VersiFleece RL PVC APPLICATIONS:								
SC-83.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD RL	Flexible DASH or Flexible DASH DT (FULL) or Flexible DASH (SPATTER)	VersiFleece RL PVC	-45.0*
SC-84.	Min. 22 ga., type B, Grade 33 steel; 6 ft span, TEKS/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD RL	Flexible DASH or Flexible DASH DT (FULL)	VersiFleece RL PVC	-52.5
SC-85.	Min. 22 ga., type B, Grade 33 steel; 6 ft span, TEKS/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD RL	Flexible DASH or Flexible DASH DT (FULL)	VersiFleece RL PVC	-82.5
SC-86.	Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) TEKS/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD RL	Flexible DASH or Flexible DASH DT (FULL)	VersiFleece RL PVC	-112.5

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 BASE PLY, BONDED ROOF COVER									
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Fastener (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Base Ply	Top Ply	
VERSIFLEECE MEMBRANE APPLICATIONS (PARTIAL BOND):									
SC-87.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	SureMB 90 Base / US Ply Duraflex 901 Premium SBS Modified Adhesive	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
SC-88.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
SC-89.	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screws, 6” o.c. or min. 2,500 psi structural concrete	Min. 2-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	SureMB 90TG or 120TG / torch-applied	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-75.0

TABLE 2D: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER												
SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER												
System No.	Deck (Note 1)	Thermal Barrier			Primer	Vapor Barrier	Base Insulation		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
BAREBACK APPLICATIONS:												
SC-90.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft²	CAV-GRIP Primer	Versico 725TR, self-adhering	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC in CAV-GRIP PVC Adhesive, Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-45.0*
SC-91.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft²	CAV-GRIP Primer	Versico 725TR, self-adhering	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	(Optional) Additional layers base insulation	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC in CAV-GRIP PVC Adhesive, Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-45.0*

TABLE 2D: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Thermal Barrier			Primer	Vapor Barrier	Base Insulation		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
SC-92.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime	Insultite with HPV Insulation Fastening Plate	1 per 4.0 ft ²	None	SureMB 90TG or SureMB 120TG, torch-applied	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	(Optional) Additional layers base insulation	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC / HydroBond	-45.0*
SC-93.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime	Insultite with HPV Insulation Fastening Plate	1 per 4.0 ft ²	None	SureMB 90TG or SureMB 120TG, torch-applied	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	(Optional) Additional layers base insulation	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / CAV-GRIP PVC Adhesive or Low VOC PVC BA	-45.0*
SC-94.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Tek/5 screws 6" o.c.	Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft ²	CAV-GRIP Primer	Versico 725TR, self-adhering	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH (RIBBON)	(Optional) Additional layers base insulation	Flexible DASH (RIBBON, 6-inch o.c.)	VersiFlex PVC or VersiFlex FRS PVC in CAV-GRIP PVC Adhesive, Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-52.5
VERSIFLEECE APPLICATIONS (PARTIAL BOND):												
SC-95.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft ²	CAV-GRIP Primer	Versico 725TR, self-adhering	(Optional) Min. 1.5-Inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
SC-96.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft ²	CAV-GRIP Primer	Versico 725TR, self-adhering	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	(Optional) Additional layers base insulation	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
SC-97.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Tek/5 screws 6" o.c.	Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft ²	CAV-GRIP Primer	Versico 725TR, self-adhering	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH (RIBBON)	(Optional) Additional layers base insulation	Flexible DASH (RIBBON, 6-inch o.c.)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-52.5
VERSIFLEECE APPLICATIONS (FULL BOND):												

TABLE 2D: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Thermal Barrier			Primer	Vapor Barrier	Base Insulation		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
SC-98.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft ²	CAV-GRIP Primer	Versico 725TR, self-adhering	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-99.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime	Insultite with HPV Insulation Fastening Plate	1 per 4 ft ²	None	SureMB 90TG or SureMB 120TG, torch-applied	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	(Optional) Additional layers base insulation	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-100.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Tek/5 screws 6" o.c.	Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft ²	CAV-GRIP Primer	Versico 725TR, self-adhering	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH (RIBBON)	(Optional) Additional layers base insulation	Flexible DASH (RIBBON, 6-inch o.c.)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-52.5

TABLE 2E: 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 (Optional over Structural Concrete or Recover, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasteners (Note 11)	Attach		
BAREBACK APPLICATIONS:							
SC-101.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield, loose laid	Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Steel: Insultite with AccuTrac Plates Concrete: Versico MP 14-10 Concrete Fastener, Versico CD-10 Concrete Fastener or MP Concrete Spike with AccuTrac Plates	1 per 2.9 ft²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-45.0*
SC-102.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II	Min. 0.5-inch SecurShield HD Plus	Note 2	1 per 4.0 ft²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-45.0*
SC-103.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DensDeck Prime	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-45.0*

TABLE 2E: 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 (Optional over Structural Concrete or Recover, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasteners (Note 11)	Attach		
SC-104.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.625-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch DuraStorm VSH	Note 2	1 per 4.0 ft ²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-45.0*
SC-105.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 2-inch VersiCore MP-H or SecurShield	Note 2	1 per 4.0 ft ²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-45.0*
SC-106.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH	Note 2	1 per 3.2 ft ²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-45.0*
SC-107.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 2-inch SecurShield	Note 2	1 per 3.2 ft ²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-45.0*
SC-108.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.0-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACFoam II	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.0 ft ²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-45.0*
SC-109.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch DuraStorm VSH	Note 2	1 per 2.0 ft ²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-45.0*
SC-110.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 1.5-inch VersiCore MP-H, SecurShield	Note 2	1 per 2.0 ft ²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-45.0*
SC-111.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 1-inch VersiCore MP-H, SecurShield	Note 2	1 per 1.6 ft ²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-45.0*
SC-112.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Tek/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Min. 0.25-inch DensDeck Prime	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-52.5
SC-113.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Tek/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.0-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACFoam II	Min. 0.5-inch DensDeck Prime	Note 2	1 per 1.6 ft ²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-52.5
SC-114.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Tek/5 screws 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 2.0-inch SecurShield	Note 2	1 per 2.0 ft ²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-60.0

TABLE 2E: 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 (Optional over Structural Concrete or Recover, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasteners (Note 11)	Attach		
SC-115.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or AC Foam II	Min. 0.5-inch SecurShield HD Plus	Note 2	1 per 1.8 ft ²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-60.0
SC-116.	Min. 22 ga., type B, Grade 33 steel, 6 ft span, Tekx/5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Min. 0.5-inch DensDeck Prime	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-67.5
SC-117.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 2.0-inch VersiCore MP-H, SecurShield	Note 2	1 per 1.6 ft ²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-67.5
SC-118.	Min. 22 ga., type B, Grade 33 steel, 6 ft span, Tekx/5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Min. 0.5-inch DensDeck Prime	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-75.0
SC-119.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or AC Foam II	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH	Note 2	1 per 1.6 ft ²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-82.5
SC-120.	Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) Tekx 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DensDeck Prime	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-82.5
SC-121.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; two (2) Tekx/5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DuraStorm VSH	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-82.5
SC-122.	Min. 22 ga., type B, Grade 33 steel; 6' spans, two (2) Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or AC Foam II	Min. 0.5-inch SecurShield HD Plus	Note 2	1 per 1.3 ft ²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-112.5

TABLE 2E: 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 (Optional over Structural Concrete or Recover, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasteners (Note 11)	Attach		
SC-123.	Min. 22 ga., type B, Grade 33 steel; 6' spans, two (2) Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or AC Foam II	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH	Note 2	1 per 1.0 ft ²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-112.5
SC-124.	Min. 22 ga., type B, Grade 80 steel; 6 ft span, two (2) Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or AC Foam II	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-112.5
SC-125.	Min. 22 ga., type B, Grade 33 steel; 6' spans, two (2) Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or AC Foam II	Min. 2-inch SecurShield	Note 2	1 per 1.0 ft ²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-112.5
SC-126.	Min. 22 ga., type B, Grade 80 steel; 6 ft span, two (2) Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DensDeck Prime	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-127.5
SC-127.	Min. 22 ga., type B, Grade 80 steel; 6 ft span; two (2) Tek 5/5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DuraStorm VSH	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-135.0
SC-128.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield, loose laid	Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Steel: Insultite with AccuTrac Plates Concrete: Versico MP 14-10 Concrete Fastener, Versico CD-10 Concrete Fastener or MP Concrete Spike with AccuTrac Plates	1 per 2.9 ft ²	VersiFlex PVC or VersiFlex FRS PVC / HydroBond	-45.0*
SC-129.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield, loose laid	Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Steel: Insultite with AccuTrac Plates Concrete: Versico MP 14-10 Concrete Fastener, Versico CD-10 Concrete Fastener or MP Concrete Spike with AccuTrac Plates	1 per 2.9 ft ²	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA	-45.0*
SC-130.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or AC Foam II	Min. 0.5-inch SecurShield HD Plus	Note 2	1 per 4.0 ft ²	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-45.0*

TABLE 2E: 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 (Optional over Structural Concrete or Recover, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasteners (Note 11)	Attach		
SC-131.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DensDeck Prime	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft ²	VersiFlex PVC / Low VOC PVC BA or HydroBond WB	-45.0*
SC-132.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	Insultite with SecurFAST Insulation Fastening Plate	1 per 4.0 ft ²	VersiFlex PVC / Low VOC PVC BA	-45.0*
SC-133.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.625-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch DuraStorm VSH	Note 2	1 per 4.0 ft ²	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-45.0*
SC-134.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 2-inch VersiCore MP-H, SecurShield or SecurShield	Note 2	1 per 4.0 ft ²	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-45.0*
SC-135.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DensDeck Prime	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 3.2 ft ²	VersiFlex KEE HP in Low VOC PVC BA	-45.0*
SC-136.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH	Note 2	1 per 3.2 ft ²	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-45.0*
SC-137.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 2-inch SecurShield	Note 2	1 per 3.2 ft ²	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-45.0*
SC-138.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.0-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or AC Foam II	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.0 ft ²	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-45.0*
SC-139.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch DuraStorm VSH	Note 2	1 per 2.0 ft ²	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-45.0*
SC-140.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.0-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or AC Foam II	Min. 0.5-inch Versico Recovery Board	Note 2	1 per 2.0 ft ²	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA	-45.0*
SC-141.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or AC Foam II	Note 2	1 per 2.0 ft ²	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-45.0*
SC-142.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or AC Foam II	Min. 0.25-inch DensDeck Prime	Note 2	1 per 1.6 ft ²	VersiFlex PVC or VersiFlex FRS PVC / Aquabase 120 Water Based BA	-45.0*

TABLE 2E: 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 (Optional over Structural Concrete or Recover, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasteners (Note 11)	Attach		
SC-143.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 1-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or AC Foam II	Note 2	1 per 1.6 ft ²	VersiFlex PVC or VersiFlex FRS PVC / Low VOC PVC BA or HydroBond WB	-45.0*
SC-144.	Min. 22 ga., type B, Grade 33 steel, 6' span, Tek/5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Min. 0.25-inch DensDeck Prime	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-52.5
SC-145.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Tek/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.0-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or AC Foam II	Min. 0.5-inch DensDeck Prime	Note 2	1 per 1.6 ft ²	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-52.5
SC-146.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Tek/5 screws 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 19/32-inch APA rated plywood	Note 2	1 per 1.9 ft ²	VersiFlex KEE HP in Low VOC PVC BA	-52.5
SC-147.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Tek/5 screws 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 2.0-inch SecurShield	Note 2	1 per 2.0 ft ²	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-60.0
SC-148.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 19/32-inch APA rated plywood	Note 2	1 per 1.9 ft ²	VersiFlex PVC or VersiFlex FRS PVC in HydroBond WB	-60.0
SC-149.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or AC Foam II	Min. 0.5-inch SecurShield HD Plus	Note 2	1 per 1.78 ft ²	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-60.0
SC-150.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or AC Foam II	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH	Note 2	1 per 1.6 ft ²	VersiFlex PVC or VersiFlex FRS PVC in HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-60.0
SC-151.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 2.0-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or AC Foam II	Note 2	1 per 1.6 ft ²	VersiFlex PVC or VersiFlex FRS PVC in HydroBond WB	-60.0

TABLE 2E: 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 (Optional over Structural Concrete or Recover, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasteners (Note 11)	Attach		
SC-152.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Tek/5 screws 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 2.0-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	VersiFlex KEE HP in Low VOC PVC BA	-60.0
SC-153.	Min. 22 ga., type B, Grade 33 steel, 6 ft span, Tek/5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Min. 0.5-inch DensDeck Prime	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-67.5
SC-154.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 19/32-inch APA rated plywood	Note 2	1 per 1.9 ft ²	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA	-67.5
SC-155.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 2.0-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or AC Foam II	Note 2	1 per 1.6 ft ²	VersiFlex PVC or VersiFlex FRS PVC / Low VOC PVC BA	-67.5
SC-156.	Min. 22 ga., type B, Grade 33 steel, 6 ft span, Tek/5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Min. 0.5-inch DensDeck Prime	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-75.0
SC-157.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or AC Foam II	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH	Note 2	1 per 1.6 ft ²	VersiFlex PVC or VersiFlex KEE HP / Low VOC PVC BA	-82.5
SC-158.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or AC Foam II	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	VersiFlex KEE HP in Low VOC PVC BA	-82.5
SC-159.	Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) Tek/5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DensDeck Prime	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-82.5
SC-160.	Min. 22 ga., type B, Grade 33 steel; 6' spans, two (2) Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or AC Foam II	Min. 0.5-inch SecurShield HD Plus	Note 2	1 per 1.3 ft ²	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA	-112.5

TABLE 2E: 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 (Optional over Structural Concrete or Recover, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasteners (Note 11)	Attach		
SC-161.	Min. 22 ga., type B, Grade 33 steel; 6' spans, two (2) Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACFoam II	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH	Note 2	1 per 1.0 ft ²	VersiFlex PVC or VersiFlex KEE HP / Low VOC PVC BA	-112.5
SC-162.	Min. 22 ga., type B, Grade 33 steel; 6' spans, two (2) Traxx/5 screws 6" o.c.	Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACFoam II	Min 0.5-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	Insultite with SecurFAST Insulation Fastening Plate	1 per 1.0 ft ²	VersiFlex PVC / Low VOC PVC BA	-112.5
SC-163.	Min. 22 ga., type B, Grade 80 steel; 6 ft span, two (2) Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACFoam II	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	VersiFlex PVC or VersiFlex KEE HP / Low VOC PVC BA	-112.5
SC-164.	Min. 22 ga., type B, Grade 33 steel; 6' spans, two (2) Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACFoam II	Min. 2-inch SecurShield	Note 2	1 per 1.0 ft ²	VersiFlex PVC or VersiFlex KEE HP / Low VOC PVC BA	-112.5
SC-165.	Min. 22 ga., type B, Grade 80 steel; 6 ft span, two (2) Tek 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DensDeck Prime	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA	-127.5
VERSIFLEECE APPLICATIONS (PARTIAL BOND):							
SC-166.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DensDeck Prime	Note 2	1 per 2.0 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
VERSIFLEECE APPLICATIONS (FULL BOND):							
SC-167.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 1-inch VersiCore MP-H or SecurShield	Note 2	1 per 1.6 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-168.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 1.5-inch VersiCore MP-H or SecurShield	Note 2	1 per 2.0 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-169.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 2-inch VersiCore MP-H or SecurShield	Note 2	1 per 4.0 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*

TABLE 2E: 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 (Optional over Structural Concrete or Recover, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasteners (Note 11)	Attach		
SC-170.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield, loose laid	Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Steel: Insultite with AccuTrac Plates Concrete: Versico MP 14-10 Concrete Fastener, Versico CD-10 Concrete Fastener or MP Concrete Spike with AccuTrac Plates	1 per 2.9 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-171.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACFoam II	Min. 0.5-inch SecurShield HD Plus or DuraStorm VSH	Note 2	1 per 4.0 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-172.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.0-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACFoam II	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.0 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-173.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DensDeck Prime	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-174.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
SC-175.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 3.2 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-176.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-177.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Tek/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Min. 0.25-inch DensDeck Prime	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-52.5
SC-178.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Tek/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Min. 0.5-inch DensDeck Prime	Note 2	1 per 1.6 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-52.5
SC-179.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Tek/5 screws 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 2.0-inch SecurShield	Note 2	1 per 2.0 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-60.0

TABLE 2E: 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 (Optional over Structural Concrete or Recover, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasteners (Note 11)	Attach		
SC-180.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 2.0-inch VersiCore MP-H, SecurShield	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-60.0
SC-181.	Min. 22 ga., type B, Grade 33 steel, 6 ft span, Traxx/5 6" o.c. or structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II	Min. 0.5-inch SecurShield HD Plus	Note 2	1 per 1.78 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-60.0
SC-182.	Min. 22 ga., type B, Grade 33 steel, 6 ft span, two (2) Traxx/5 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Steel: Insultite with SecurFast Insulation Fastening Plates Concrete: Versico MP 14-10 Concrete Fastener, Versico CD-10 Concrete Fastener or MP Concrete Spike with SecurFast Insulation Fastening Plates	1 per 1.0 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / DASH DT Flexible DASH or Flexible DASH DT (FULL)	-60.0
SC-183.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-60.0
SC-184.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 2.0-inch VersiCore MP-H, SecurShield	Note 2	1 per 1.6 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-67.5
SC-185.	Min. 22 ga., type B, Grade 33 steel, 6 ft span, Teks/5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Min. 0.5-inch DensDeck Prime	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-67.5
SC-186.	Min. 22 ga., type B, Grade 33 steel, 6 ft span, Teks/5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Min. 0.5-inch DensDeck Prime	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-75.0
SC-187.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 19/32-inch APA rated plywood	Note 2	1 per 1.9 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-75.0
SC-188.	Min. 22 ga., type B, Grade 33 steel, 6 ft span, Traxx/5 6" o.c. or min. 2,500 psi concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DensDeck Prime	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-82.5

TABLE 2E: 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 (Optional over Structural Concrete or Recover, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasteners (Note 11)	Attach		
SC-189.	Min. 22 ga., type B, Grade 33 steel, 6 ft span, Traxx/5 6" o.c. or min. 2,500 psi concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-82.5
SC-190.	Min. 22 ga., type B, Grade 33 steel, 6 ft span, Traxx/5 6" o.c. or min. 2,500 psi concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 15/32-inch plywood	Note 2	1 per 1.9 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Aqua Base 120 BA	-82.5
SC-191.	Min. 22 ga., type B, Grade 33 steel; 6' spans, two (2) Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Min. 2-inch SecurShield	Note 2	1 per 1.0 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-112.5
SC-192.	Min. 22 ga., type B, Grade 33 steel, 6 ft span, Traxx/5 6" o.c. or structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II	Min. 0.5-inch SecurShield HD Plus	Note 2	1 per 1.3 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-112.5
SC-193.	Min. 22 ga., type B, Grade 80 steel; 6 ft span, two (2) Teks 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-112.5
SC-194.	Min. 22 ga., type B, Grade 80 steel; 6 ft span, two (2) Teks 5, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DensDeck Prime	Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-127.5
SC-195.	Min. 22 ga., type B, Grade 33 steel; 6' spans, two (2) Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 19/32-inch APA rated plywood	Note 2	1 per 1.0 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-135.0
SC-196.	Min. 22 ga., type B, Grade 33 steel, 6 ft span, Traxx/5 6" o.c. or min. 2,500 psi concrete	(Optional) One or more layers, any combination, loose laid	Min 2-inch SecurShield HD Composite	Note 2	1 per 1.0 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-135.0
SC-197.	Min. 22 ga., type B, Grade 33 steel; 6' spans, two (2) Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch SecurShield HD Composite	Note 2	1 per 1.0 ft ²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH DT (FULL)	-150.0

TABLE 2E: 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 (Optional over Structural Concrete or Recover, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasteners (Note 11)	Attach		
VERSIFLEECE RL PVC APPLICATIONS:							
SC-198.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.0-inch VersiCore RL	Steel: Insultite with HPV Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft²	VersiFleece RL PVC	-45.0*
SC-199.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min., 1.5-inch VersiCore MP-H, SecurShield, loose-laid	Min. 0.5-inch SecurShield HD RL	Steel: Insultite with HPV Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft²	VersiFleece RL PVC	-45.0*
SC-200.	Min. 22 ga., type B, Grade 33 steel; 6 ft span, TEKS/5 screws 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.0-inch VersiCore RL	Steel: Insultite with HPV Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft²	VersiFleece RL PVC	-75.0

TABLE 2F: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-2: PLATE-BONDED ROOF COVER

System No.	Deck (Note 1)	Insulation Layer (Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fasteners (Note 11)	Density / Pattern		
RHINO BOND SYSTEMS:						
SC-201.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Traxx/5 screws 6" o.c.	Min. 1-inch thick, one or more layers, any combination. Note A.	HPV-X Fasteners and RHINO BOND Plates (PVC)	1 per 5.3 ft² (6 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1- 29; Note B	VersiFlex PVC or VersiFlex KEE HP induction welded to RHINO BOND Plates (PVC) with RHINO BOND bonding tool.	-45.0
SC-202.	Min. 22 ga., type B, Grade 33 steel, 7 ft span, HILTI X-HSN 24, 6" o.c. Side laps HILTI S-SLC 01 M HWH, 24" o.c.	Min. 1-inch thick, one or more layers, any combination. Note C.	HPV-X Fasteners and RHINO BOND Plates (PVC)	1 per 4.0 ft² (2 x 2 ft grid pattern)	VersiFlex PVC (min. 60-mil) or VersiFlex KEE HP (min. 60-mil) induction welded to RHINO BOND Plates (PVC) with RHINO BOND bonding tool.	-52.5
SC-203.	Min. 22 ga., type B, Grade 33 steel, 7 ft span, 5/8" puddle welds, 6" o.c. Side laps ITW HWH #12 Tek 1, 24" o.c.	Min. 1-inch thick, one or more layers, any combination. Note C.	HPV-X Fasteners and RHINO BOND Plates (PVC)	1 per 4.0 ft² (2 x 2 ft grid pattern)	VersiFlex PVC (min. 60-mil) or VersiFlex KEE HP (min. 60-mil) induction welded to RHINO BOND Plates (PVC) with RHINO BOND bonding tool.	-52.5
SC-204.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Traxx/5 screws 6" o.c.	Min. 1-inch thick, one or more layers, any combination. Note A.	HPV-X Fasteners and RHINO BOND Plates (PVC)	1 per 4.0 ft² (8 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1- 29; Note B	VersiFlex PVC or VersiFlex KEE HP induction welded to RHINO BOND Plates (PVC) with RHINO BOND bonding tool.	-52.5

TABLE 2F: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-2: PLATE-BONDED ROOF COVER

System No.	Deck (Note 1)	Insulation Layer (Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fasteners (Note 11)	Density / Pattern		
SC-205.	Min. 22 ga., type B, Grade 40 steel; 6 ft spans; 5/8" puddle welds 6" o.c.	Min. 1.5-inch thick, one or more layers, any combination.	HPV-X Fasteners and RHINO BOND Plates (PVC)	1 per 4.0 ft² (2 x 2 ft grid pattern)	VersiFlex PVC or VersiFlex KEE HP induction welded to RHINO BOND Plates (PVC) with RHINO BOND bonding tool.	-52.5
SC-206.	Min. 22 ga., type B, Grade 80 steel; 6' spans, Traxx/5 screws 6" o.c.	Min. 1-inch thick, one or more layers, any combination. Note A.	HPV-X Fasteners and RHINO BOND Plates (PVC)	1 per 4.0 ft² (8 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1- 29; Note B	VersiFlex PVC or VersiFlex KEE HP induction welded to RHINO BOND Plates (PVC) with RHINO BOND bonding tool.	-60.0
SC-207.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Traxx/5 screws 6" o.c.	Min. 1.5-inch thick, one or more layers, any combination. Note A.	HPV-XL Fasteners and RHINO BOND Plates (PVC)	1 per 4.0 ft² (8 parts per 4 x 8 ft board) 2 x 2 ft grid pattern	VersiFlex PVC or VersiFlex KEE HP induction welded to RHINO BOND Plates (PVC) with RHINO BOND bonding tool.	-67.5
SC-208.	Min. 22 ga., type B, Grade 80 steel; 6' spans, Traxx/5 screws 6" o.c.	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HPV-X Fasteners and RHINO BOND Plates (PVC)	12-inch o.c. in rows max. 60-inch o.c.	VersiFlex PVC or VersiFlex KEE HP induction welded to RHINO BOND Plates (PVC) with RHINO BOND bonding tool.	-52.5
SC-209.	Min. 22 ga., type B, Grade 80 steel; 6' spans, Traxx/5 screws 6" o.c.	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HPV-X Fasteners and RHINO BOND Plates (PVC)	6-inch o.c. in rows max. 120-inch o.c.	VersiFlex PVC or VersiFlex KEE HP induction welded to RHINO BOND Plates (PVC) with RHINO BOND bonding tool.	-60.0
SC-210.	Min. 22 ga., type B, Grade 80 steel; 6' spans, Traxx/5 screws 6" o.c.	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HPV-X Fasteners and RHINO BOND Plates (PVC)	6-inch o.c. in rows max. 60-inch o.c.	VersiFlex PVC or VersiFlex KEE HP induction welded to RHINO BOND Plates (PVC) with RHINO BOND bonding tool.	-90.0
Notes:	A. For these assemblies, the 8 ft insulation board length is placed perpendicular to the steel deck ribs. B. The plate/fastener combination offset 12 inch from adjacent rows. C. For these assemblies, the 8 ft insulation board length is placed perpendicular to the steel deck ribs and each row of insulation is staggered by 1 foot.					
ISOWELD INDUCTION WELDING SYSTEMS:						
SC-211.	Min. 22 ga., type B, Grade 40 steel; 6 ft span, 5/8" puddle welds or Tek's/5 screws, 6" o.c.	One or more layers, any combination, min. 1.5-inch, preliminarily attached	Dekfast DF-#15-PH3 with SFS isoweld® PVC Plates (FI-P-6.8-PVC)	12-inch o.c. in rows max. 60-inch o.c.	VersiFlex PVC or VersiFlex KEE HP induction welded to SFS isoweld® PVC Plates with SFS isoweld® 3000 tool.	-45.0
SC-212.	Min. 22 ga., type B, Grade 80 steel; 6 ft span, 5/8" puddle welds or Tek's/5 screws, 6" o.c.	One or more layers, any combination, min. 1.5-inch, preliminarily attached	Dekfast DF-#12-PH3 or DF-#15-PH3 with SFS isoweld® PVC Plates (FI-P-6.8-PVC)	12-inch o.c. in rows max. 60-inch o.c.	VersiFlex PVC or VersiFlex KEE HP induction welded to SFS isoweld® PVC Plates with SFS isoweld® 3000 tool.	-45.0
SC-213.	Min. 22 ga., type B, Grade 40 steel; 6 ft span, 5/8" puddle welds or Tek's/5 screws, 6" o.c.	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#15-PH3 with SFS isoweld® PVC Plates (FI-P-6.8-PVC)	1 per 4.0 ft² 2 x 2-ft grid, staggered	VersiFlex PVC or VersiFlex KEE HP induction welded to SFS isoweld® PVC Plates with SFS isoweld® 3000 tool.	-52.5
SC-214.	Min. 22 ga., type B, Grade 80 steel; 6 ft span, 5/8" puddle welds or Tek's/5 screws, 6" o.c.	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#12-PH3 or DF-#15-PH3 with SFS isoweld® PVC Plates (FI-P-6.8-PVC)	1 per 4.0 ft² 2 x 2-ft grid, staggered	VersiFlex PVC or VersiFlex KEE HP induction welded to SFS isoweld® PVC Plates with SFS isoweld® 3000 tool.	-52.5

TABLE 2F: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-2: PLATE-BONDED ROOF COVER

System No.	Deck (Note 1)	Insulation Layer (Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fasteners (Note 11)	Density / Pattern		
SC-215.	Min. 22 ga., type B, Grade 40 steel; 6 ft span, 5/8" puddle welds or Tek/5 screws, 6" o.c.	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#15-PH3 with SFS <i>isoweld</i> ® PVC Plates (FI-P-6.8-PVC)	1 per 3.0 ft² 1.5 x 2-ft grid, staggered	VersiFlex PVC or VersiFlex KEE HP induction welded to SFS <i>isoweld</i> ® PVC Plates with SFS <i>isoweld</i> ® 3000 tool.	-82.5
SC-216.	Min. 22 ga., type B, Grade 80 steel; 6 ft span, 5/8" puddle welds or Tek/5 screws, 6" o.c.	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#12-PH3 or DF-#15-PH3 with SFS <i>isoweld</i> ® PVC Plates (FI-P-6.8-PVC)	1 per 3.0 ft² 1.5 x 2-ft grid, staggered	VersiFlex PVC or VersiFlex KEE HP induction welded to SFS <i>isoweld</i> ® PVC Plates with SFS <i>isoweld</i> ® 3000 tool.	-82.5
SC-217.	Min. 22 ga., type B, Grade 80 steel; 6 ft span, 5/8" puddle welds or Tek/5 screws, 6" o.c.	One or more layers, any combination, min. 1.5-inch, preliminarily attached	Dekfast DF-#12-PH3 or DF-#15-PH3 with SFS <i>isoweld</i> ® PVC Plates (FI-P-6.8-PVC)	6-inch o.c. in rows max. 60-inch o.c.	VersiFlex PVC or VersiFlex KEE HP induction welded to SFS <i>isoweld</i> ® PVC Plates with SFS <i>isoweld</i> ® 3000 tool.	-90.0

TABLE 2G: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER

System No.	Deck (Note 1)	Insulation Layer (Note 13)		Roof Cover (Note 15A)						MDP (psf)
		Type	Attach	Membrane	Fasteners (Note 11)	Fastener Spacing (inch o.c.)	Lap Width (inch)	Lap Spacing (inch o.c.)	Seam Weld (inch)	
SC-218.	Min. 22 ga., type B, Grade 80 steel; 6' spans, Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	VersiFlex PVC	HPV-X Fasteners (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fasteners and HPV-X Plates	12	5.5	75.5	1.5	-45.0
SC-219.	Min. 22 ga., type B, Grade 80 steel; 6' spans, Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	VersiFlex PVC	Trufast #15 EHD (steel only) or Trufast Fluted Concrete Nail (concrete only) and Trufast 2.4" Barbed Metal Seam Plates (14 Barb)	12	5.5	75.5	1.5	-45.0
SC-220.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	VersiFlex PVC or VersiFlex KEE HP	HPV-XL Fasteners and HPV-XL Plates (steel only) or MP 14-10 (concrete only) or CD-10 (concrete only) Fasteners and HPV-X Plates	12	5.5	75.5	1.5	-45.0
SC-221.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Tek/5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	VersiFlex PVC, VersiFleece PVC, VersiFlex KEE HP or VersiFleece KEE HP	HPV-X Fasteners (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fasteners and HPV-X Plates	12	5.5	54.5	1.5	-45.0
SC-222.	Min. 22 ga., type B, Grade 33 steel, 7 ft span, HILTI X-HSN 24, 6" o.c. Side laps HILTI S-SLC 01 M HWH, 24" o.c. or min. 2,500 psi structural concrete	Min. 1-inch, one or more layers, any combination	prelim. attach	Min. 60-mil VersiFlex PVC, VersiFleece PVC or min. 50-mil VersiFlex KEE HP, VersiFleece KEE HP	HPV-X Fasteners (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fasteners and HPV-X Plates	6	5.5	114.5	1.5	-45.0

TABLE 2G: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER

System No.	Deck (Note 1)	Insulation Layer (Note 13)		Roof Cover (Note 15A)						MDP (psf)
		Type	Attach	Membrane	Fasteners (Note 11)	Fastener Spacing (inch o.c.)	Lap Width (inch)	Lap Spacing (inch o.c.)	Seam Weld (inch)	
SC-223.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	VersiFlex KEE HP or VersiFleece KEE HP	HPV-X Fasteners (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fasteners and Dekfast PLT-O2-3/4-12	6	6	114	1.5	-45.0
SC-224.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	VersiFlex PVC or VersiFleece PVC	HPV-X Fasteners (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fasteners and HPV-X Plates	12	5.5	35.5	1.5	-52.5
SC-225.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Tek/5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	VersiFlex PVC or VersiFleece PVC	Trufast #15 EHD (steel only), Trufast #14 HD (concrete only) or Trufast Fluted Concrete Nail (concrete only) and Trufast 2.4" Barbed Metal Seam Plates (14 Barb)	12	5.5	35.5	1.5	-52.5
SC-226.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Tek/5 screws with 3/8" washers, 6" o.c. or min. 2,500 psi structural concrete	Min. 1-inch, one or more layers, any combination	prelim. attach	VersiFleece PVC or VersiFleece KEE HP	HPV-X Fasteners (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fasteners and HPV-X Plates	6	5.5	114.5	1.5	-52.5
SC-227.	Min. 22 ga., type B, Grade 33 steel; 6' spans, 5/8" puddle welds or Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination (optional for recover) followed by 3/8-inch Insulfoam R- Tech EPS or Fan-Fold	Loose laid	VersiFlex PVC, VersiFleece PVC, VersiFlex KEE HP or VersiFleece KEE HP	HPV-X Fasteners (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fasteners and HPV-X Plates	6	5.5	75.5	1.5	-52.5
SC-228.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Tek/5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	VersiFlex PVC or VersiFleece PVC	Trufast #15 EHD (steel only), Trufast #14 HD (concrete only) or Trufast Fluted Concrete Nail (concrete only) and Trufast 2.4" Barbed Metal Seam Plates (14 Barb)	6	5.5	75.5	1.5	-52.5
SC-229.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	VersiFlex PVC or VersiFleece PVC	HPV-X Fasteners (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fasteners and HPV-X Plates	12	5.5	35	1.5	-60.0
SC-230.	Min. 22 ga., type B, Grade 33 steel, 7 ft span, 5/8" puddle welds, 6" o.c. Side laps ITW HWH #12 Tek 1, 24" o.c. or min. 2,500 psi structural concrete	Min. 1-inch, one or more layers, any combination	prelim. attach	Min. 60-mil VersiFlex PVC or min. 50-mil VersiFlex KEE HP	HPV-X Fasteners (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fasteners and HPV-X Plates	6	5.5	114.5	1.5	-60.0

TABLE 2G: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER

System No.	Deck (Note 1)	Insulation Layer (Note 13)		Roof Cover (Note 15A)						MDP (psf)
		Type	Attach	Membrane	Fasteners (Note 11)	Fastener Spacing (inch o.c.)	Lap Width (inch)	Lap Spacing (inch o.c.)	Seam Weld (inch)	
SC-231.	Min. 22 ga., type B, Grade 40 steel; 6 ft spans; 5/8" puddle welds 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	Min. 60-mil VersiFlex PVC or min. 50-mil VersiFlex KEE HP	HPV-X Fasteners(steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fasteners and HPV-X Plates	6	5.5	114.5	1.5	-60.0
SC-232.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	VersiFlex PVC or VersiFleece PVC	HPV-X Fasteners (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fasteners and HPV-X Plates	6	5.5	75.5	1.5	-60.0
SC-233.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Tek/5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	VersiFlex PVC, VersiFleece PVC, VersiFlex KEE HP or VersiFleece KEE HP	HPV-X Fasteners (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fasteners and HPV-X Plates	6	5.5	54.5	1.5	-67.5
SC-234.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Tek/5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	Min. 60-mil VersiFlex PVC, VersiFleece PVC, VersiFlex KEE HP or VersiFleece KEE HP	HPV-X Fasteners (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fasteners and HPV-X Plates	6	5.5	54.5	1.5	-75.0
SC-235.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	VersiFlex PVC, VersiFleece PVC, VersiFlex KEE HP or VersiFleece KEE HP	HPV-X Fasteners (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fasteners and HPV-X Plates	6	5.5	35	1.5	-82.5
SC-236.	Min. 22 ga., type B, Grade 33 steel; 6' spans, Tek/5 screws, 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	VersiFlex PVC or VersiFleece PVC	Trufast #15 EHD (steel only), Trufast #14 HD (concrete only) or Trufast Fluted Concrete Nail (concrete only) and Trufast 2.4" Barbed Metal Seam Plates (14 Barb)	6	5.5	35.5	1.5	-82.5

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

Sys. 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)	Membrane	Application	
BAREBACK APPLICATIONS:								
C-1.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-157.5
C-2.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-225.0
C-3.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-157.5
C-4.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-315.0
C-5.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-277.5
C-6.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH DT (FULL)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-315.0
C-7.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-315.0
C-8.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-112.5
C-9.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-112.5
C-10.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-157.5

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

Sys. 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)	Membrane	Application	
C-11.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-397.5
C-12.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-277.5
C-13.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH DT (FULL)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-397.5
C-14.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-397.5
C-15.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible DASH DT (RIBBON)	<u>Insulation:</u> Min. 1.6-inch Kingspan (Pembridge) "Optim-R" <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-127.5
C-16.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible DASH DT (FULL)	<u>Insulation:</u> Min. 1.6-inch Kingspan (Pembridge) "Optim-R" <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH DT (FULL)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-397.5
C-17.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-157.5
C-18.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-352.5
C-19.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-277.5

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

Sys. 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)	Membrane	Application	
C-20.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH DT (FULL)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-352.5
C-21.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-352.5
C-22.	Min. 2,500 psi structural concrete	Min. 0.5-inch DuraStorm VSH	Flexible DASH or Flexible DASH DT (FULL)	None	N/A	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-495.0
C-23.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-112.5
C-24.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch SecurShield HD Composite	Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-112.5
C-25.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-60.0
C-26.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-60.0
C-27.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-157.5
C-28.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-180.0
C-29.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB	Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-180.0

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

Sys. 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)	Membrane	Application	
C-30.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-157.5
C-31.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-397.5
C-32.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-277.5
C-33.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH DT (FULL)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-397.5
C-34.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-390.0
C-35.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible DASH DT (RIBBON)	<u>Insulation:</u> Min. 1.6-inch Kingspan (Pembridge) "Optim-R" <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-127.5
C-36.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible DASH DT (FULL)	<u>Insulation:</u> Min. 1.6-inch Kingspan (Pembridge) "Optim-R" <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH DT (FULL)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-397.5
C-37.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-157.5
C-38.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-352.5

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

Sys. 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)	Membrane	Application	
C-39.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-277.5
C-40.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH DT (FULL)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-352.5
C-41.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-352.5
C-42.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch DuraFaceR	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-157.5
C-43.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch DuraFaceR	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-180.0
C-44.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch DuraFaceR	Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-180.0
C-45.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-112.5
C-46.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch SecurShield HD Composite	Flexible DASH (SPLATTER)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-112.5
C-47.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-157.5
C-48.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-225.0
C-49.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-157.5

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

Sys. 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)	Membrane	Application	
C-50.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH (RIBBON)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-315.0
C-51.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH DT (RIBBON)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-277.5
C-52.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH DT (FULL)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-315.0
C-53.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH (SPLATTER)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-315.0
C-54.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-112.5
C-55.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH (SPLATTER)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-112.5
C-56.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH (RIBBON or SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	Flexible DASH (RIBBON or SPLATTER)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-67.5
C-57.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-157.5
C-58.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-180.0
C-59.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB	Flexible DASH (SPLATTER)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-180.0

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

Sys. 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)	Membrane	Application	
C-60.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-157.5
C-61.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH (RIBBON)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-397.5
C-62.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH DT (RIBBON)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-277.5
C-63.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH DT (FULL)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-397.5
C-64.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH (SPLATTER)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-397.5
C-65.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible DASH DT (RIBBON)	<u>Insulation:</u> Min. 1.6-inch Kingspan (Pembridge) "Optim-R" <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH DT (RIBBON)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-127.5
C-66.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible DASH DT (FULL)	<u>Insulation:</u> Min. 1.6-inch Kingspan (Pembridge) "Optim-R" <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH DT (FULL)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-397.5
C-67.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-157.5
C-68.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH (RIBBON)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-352.5

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

Sys. 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)	Membrane	Application	
C-69.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH DT (RIBBON)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-277.5
C-70.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH DT (FULL)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-352.5
C-71.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH	Flexible DASH (SPLATTER)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-352.5
C-72.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch DuraFaceR	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-157.5
C-73.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch DuraFaceR	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-180.0
C-74.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch DuraFaceR	Flexible DASH (SPLATTER)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-180.0
C-75.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-112.5
C-76.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch SecurShield HD Composite	Flexible DASH (SPLATTER)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-112.5
C-77.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACFoam II	OB500	(Optional) Additional layers of base insulation	OB500	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-60.0
C-78.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACFoam II	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-60.0

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

Sys. 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)	Membrane	Application	
C-79.	Min. 2,500 psi structural concrete	Min. 1.5-inch Polyisocyanurate MP-N or ENRGY 3	OB500	(Optional) Additional layers of base insulation	OB500	VersiFlex PVC or VersiFlex FRS PVC	Low VOC PVC BA	-127.5
C-80.	Min. 2,500 psi structural concrete	Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-W or ACFoam II	OB500	(Optional) Additional layers of base insulation	OB500	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-150.0
C-81.	Min. 2,500 psi structural concrete	Min. 1.5-inch Polyisocyanurate MP-N or ENRGY 3	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	OB500	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-127.5
C-82.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield, Polyisocyanurate MP-W or ACFoam II	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	OB500	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-150.0
VERSI FLEECE APPLICATIONS (PARTIAL BOND):								
C-83.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-37.5
C-84.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-37.5
VERSI FLEECE APPLICATIONS (FULL BOND):								
C-85.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	HydroBond WB	-157.5
C-86.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	HydroBond WB	-157.5

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

Sys. 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)	Membrane	Application	
C-87.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	HydroBond WB	-157.5
C-88.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	HydroBond WB	-397.5
C-89.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH DT (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	HydroBond WB	-277.5
C-90.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH DT (FULL)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	HydroBond WB	-397.5
C-91.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	HydroBond WB	-397.5
C-92.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible DASH DT (RIBBON)	<u>Insulation:</u> Min. 1.6-inch Kingspan (Pembridge) "Optim-R" <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH DT (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	HydroBond WB	-127.5
C-93.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible DASH DT (FULL)	<u>Insulation:</u> Min. 1.6-inch Kingspan (Pembridge) "Optim-R" <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH DT (FULL)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	HydroBond WB	-397.5
C-94.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-157.5
C-95.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-157.5

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

Sys. 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)	Membrane	Application	
C-96.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-397.5
C-97.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH DT (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-277.5
C-98.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH DT (FULL)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-457.5
C-99.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-390.0
C-100.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-157.5
C-101.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-187.5
C-102.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-187.5
C-103.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB or min. 15/32-inch APA rated plywood	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-157.5
C-104.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB or min. 15/32-inch APA rated plywood	Flexible DASH (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-322.5

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

Sys. 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)	Membrane	Application	
C-105.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB or min. 15/32-inch APA rated plywood	Flexible DASH DT (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-277.5
C-106.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB or min. 15/32-inch APA rated plywood	Flexible DASH DT (FULL)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-322.5
C-107.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB or min. 15/32-inch APA rated plywood	Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-322.5
C-108.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-157.5
C-109.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-397.5
C-110.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH DT (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-277.5
C-111.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH DT (FULL)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-397.5
C-112.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-397.5
C-113.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible DASH DT (RIBBON)	<u>Insulation:</u> Min. 1.6-inch Kingspan (Pembridge) "Optim-R" <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH DT (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-127.5

**TABLE 3A: CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER***

NOTE: REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS

Sys. 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)	Membrane	Application	
C-114.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible DASH DT (FULL)	<u>Insulation:</u> Min. 1.6-inch Kingspan (Pembridge) "Optim-R" <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH DT (FULL)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-397.5
C-115.	Min. 2,500 psi structural concrete	Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch DuraFaceR	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-157.5
C-116.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch DuraFaceR	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-187.5
C-117.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch DuraFaceR	Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-187.5
C-118.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore MP-H, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-112.5
C-119.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch SecurShield HD Composite	Flexible DASH (SPLATTER)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-112.5
VERSIFLEECE RL PVC APPLICATIONS:								
C-120.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore MP-H, SecurShield or min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2.0-inch VersiCore RL	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece RL PVC		-142.5
C-121.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch VersiCore MP-H, SecurShield	Flexible DASH (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2.0-inch VersiCore RL	Flexible DASH (SPLATTER)	VersiFleece RL PVC		-142.5

TABLE 3B: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED BASE PLY, BONDED ROOF COVER

REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS

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)	Base Ply	Top Ply	
VERSIFLEECE MEMBRANE APPLICATIONS (FULL BOND):								
C-122.	Structural concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPATTER)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON) or Flexible DASH (SPATTER)	SureMB 90TG or 120TG / torch-applied	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-165.0

TABLE 3C: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-2: PLATE-BONDED ROOF COVER

System No.	Deck (Note 1)	Insulation Layer (Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fasteners (Note 11)	Density / Pattern		
RHINO BOND SYSTEMS:						
C-123.	Min. 2,500 psi structural concrete	Min. 1-inch thick, one or more layers, any combination.	MP 14-10 Concrete Fastener or CD-10 and RHINO BOND Plates (PVC)	1 per 5.3 ft ² (6 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note A	VersiFlex PVC or VersiFlex KEE HP induction welded to RHINO BOND Plates (PVC) with RHINO BOND bonding tool.	-45.0
C-124.	Min. 2,500 psi structural concrete	Min. 1-inch thick, one or more layers, any combination.	MP 14-10 Concrete Fastener or CD-10 and RHINO BOND Plates (PVC)	1 per 4.0 ft ² (8 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note A	VersiFlex PVC or VersiFlex KEE HP induction welded to RHINO BOND Plates (PVC) with RHINO BOND bonding tool.	-60.0
C-125.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination.	MP 14-10 Concrete Fastener or CD-10 and RHINO BOND Plates (PVC)	1 per 4.0 ft ² (8 parts per 4 x 8 ft board) 2 x 2 ft grid pattern	VersiFlex PVC or VersiFlex KEE HP induction welded to RHINO BOND Plates (PVC) with RHINO BOND bonding tool.	-67.5
C-126.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	MP 14-10 Concrete Fastener or CD-10 and RHINO BOND Plates (PVC)	Max. 12-inch o.c. in rows max. 60-inch o.c.	VersiFlex PVC or VersiFlex KEE HP induction welded to RHINO BOND Plates (PVC) with RHINO BOND bonding tool.	-52.5
C-127.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	MP 14-10 Concrete Fastener or CD-10 and RHINO BOND Plates (PVC)	Max. 6-inch o.c. in rows max. 120-inch o.c.	VersiFlex PVC or VersiFlex KEE HP induction welded to RHINO BOND Plates (PVC) with RHINO BOND bonding tool.	-60.0
C-128.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	MP 14-10 Concrete Fastener or CD-10 and RHINO BOND Plates (PVC)	Max. 6-inch o.c. in rows max. 60-inch o.c.	VersiFlex PVC or VersiFlex KEE HP induction welded to RHINO BOND Plates (PVC) with RHINO BOND bonding tool.	-90.0
Notes:	A. The plate/fastener combination offset 12 inch from adjacent rows.					
ISOWELD INDUCTION WELDING SYSTEMS:						
C-129.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch, preliminarily attached	Dekfast DF-#14-PH3 or DF-#15-PH3 with SFS <i>isoweld</i> ® PVC Plates (FI-P-6.8-PVC)	Max. 12-inch o.c. in rows max. 60-inch o.c.	VersiFlex PVC or VersiFlex KEE HP induction welded to SFS <i>isoweld</i> ® PVC Plates with SFS <i>isoweld</i> ® 3000 tool.	-45.0

TABLE 3C: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-2: PLATE-BONDED ROOF COVER

System No.	Deck (Note 1)	Insulation Layer (Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fasteners (Note 11)	Density / Pattern		
C-130.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#14-PH3 or DF-#15-PH3 with SFS <i>isoweld</i> ® PVC Plates (FI-P-6.8-PVC)	1 per 4.0 ft ² 2 x 2-ft grid, staggered	VersiFlex PVC or VersiFlex KEE HP induction welded to SFS <i>isoweld</i> ® PVC Plates with SFS <i>isoweld</i> ® 3000 tool.	-52.5
C-131.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#14-PH3 or DF-#15-PH3 with SFS <i>isoweld</i> ® PVC Plates (FI-P-6.8-PVC)	1 per 3.0 ft ² 1.5 x 2-ft grid, staggered	VersiFlex PVC or VersiFlex KEE HP induction welded to SFS <i>isoweld</i> ® PVC Plates with SFS <i>isoweld</i> ® 3000 tool.	-82.5
C-132.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch, preliminarily attached	Dekfast DF-#14-PH3 or DF-#15-PH3 with SFS <i>isoweld</i> ® PVC Plates (FI-P-6.8-PVC)	Max. 6-inch o.c. in rows max. 60-inch o.c.	VersiFlex PVC or VersiFlex KEE HP induction welded to SFS <i>isoweld</i> ® PVC Plates with SFS <i>isoweld</i> ® 3000 tool.	-90.0

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)
			Type	Attach	
C-133.	Structural concrete	None	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-495.0

TABLE 4A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	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)		
BAREBACK MEMBRANE APPLICATIONS:								
LWC-1	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, Teks/5 screws, 6" o.c.	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-52.5
LWC-2	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, Teks/5 screws, 6" o.c.	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite or min. 2-inch DuraFaceR	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-52.5
LWC-3	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, Teks/5 screws, 6" o.c.	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-75.0
LWC-4	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, Teks/5 screws, 6" o.c.	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite or min. 2-inch DuraFaceR	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-75.0
LWC-5	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-187.5
LWC-6	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite or min. 2-inch DuraFaceR	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-187.5
LWC-7	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-187.5

TABLE 4A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	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)		
LWC-8	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-350.0
LWC-9	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite or min. 2-inch DuraFaceR	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-350.0
LWC-10	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive	-350.0
LWC-11	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, Tek/5 screws, 6" o.c.	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC / HydroBond WB	-52.5
LWC-12	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, Tek/5 screws, 6" o.c.	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite or min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC / HydroBond WB	-52.5
LWC-13	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, Tek/5 screws, 6" o.c.	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFlex PVC or VersiFlex FRS PVC / HydroBond WB	-75.0
LWC-14	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, Tek/5 screws, 6" o.c.	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite or min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFlex PVC or VersiFlex FRS PVC / HydroBond WB	-75.0

TABLE 4A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	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)		
LWC-15	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC / HydroBond WB	-187.5
LWC-16	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFlex PVC or VersiFlex FRS PVC / HydroBond WB	-350.0
LWC-17	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, Teks/5 screws, 6" o.c.	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA	-52.5
LWC-18	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, Teks/5 screws, 6" o.c.	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite or min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA	-52.5
LWC-19	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, Teks/5 screws, 6" o.c.	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA	-75.0
LWC-20	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, Teks/5 screws, 6" o.c.	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite or min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA	-75.0
LWC-21	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA	-187.5

TABLE 4A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	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)		
LWC-22	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite or min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA	-187.5
LWC-23	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex KEE HP / Low VOC PVC BA	-187.5
LWC-24	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFlex PVC or VersiFlex FRS PVC / Low VOC PVC BA	-350.0
LWC-25	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite or min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA	-350.0
LWC-26	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFlex KEE HP / Low VOC PVC BA	-350.0
VERSIFLEECE MEMBRANE APPLICATIONS (FULL BOND):								
LWC-27	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, Tek/5 screws, 6" o.c.	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-52.5
LWC-28	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, Tek/5 screws, 6" o.c.	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite or min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-52.5

TABLE 4A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	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)		
LWC-29	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, Teks/5 screws, 6" o.c.	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-75.0
LWC-30	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, Teks/5 screws, 6" o.c.	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite or min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-75.0
LWC-31	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-187.5
LWC-32	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite or min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-187.5
LWC-33	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-187.5
LWC-34	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-350.0
LWC-35	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite or min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-350.0

TABLE 4A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	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)		
LWC-36	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-350.0

TABLE 4B: LIGHTWEIGHT CONCRETE OVER STEEL DECK - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: LWC TO DECK, BONDED ROOF COVER

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)		Supplemental Attachment		Roof Cover (Note 15)		MDP (psf)*
		Type	Treatment	Fasteners	Density	Type	Attach	
BAREBACK APPLICATIONS:								
LWC-37	Min. 22 ga., Type B, Grade 33 vented steel at max. 6 ft spans attached with ½-inch dia. puddle welds with weld-washers spaced 6-inch o.c.	Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). <i>Note A.</i>	None	None	N/A	VersiFlex PVC	Low VOC PVC BA	-60.0
LWC-38	Min. 22 ga., Type B, Grade 33 vented steel at max. 6 ft spans attached with ½-inch dia. puddle welds with weld-washers spaced 6-inch o.c.	Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). <i>Note A.</i>	None	HPV Fastener with Insulation Plate	1 per 9.0 ft²	VersiFlex PVC	Low VOC PVC BA	-67.5
LWC-39	Min. 22 ga., Type BV, Grade 40 steel at max. 6 ft spans; 5/8” puddle welds, 6-inch o.c.	Treatment: Celcore S-1 Deck Preparation Slurry LWC: Min. 310 psi, Min. 2-inch thick, Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	None	None	N/A	VersiFlex PVC	Low VOC PVC BA	-82.5
LWC-40	Min. 22 ga., Type B, Grade 33 vented steel at max. 6 ft spans attached with ½-inch dia. puddle welds with weld-washers spaced 6-inch o.c.	Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). <i>Note A.</i>	None	HPV Fastener with Insulation Plate	1 per 1.0 ft²	VersiFlex PVC	Low VOC PVC BA	-90.0
LWC-41	Min. 20 ga., Type BV, Grade 33 steel; max. 6-ft 3-inch spans; 5/8” puddle welds or Tek/5 screws spaced 6-inch o.c.	Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (EPS board optional)	None	None	N/A	VersiFlex KEE HP	Low VOC PVC BA	-52.5
LWC-42	Min. 22 ga., Type BV, Grade 33 steel; max. 6-ft spans; 5/8” puddle welds or Tek/5 screws spaced 6-inch o.c.	Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 2-inch thick, minimum 1.0 pcf EPS holey board required)	None	None	N/A	VersiFlex KEE HP	Low VOC PVC BA	-82.5
LWC-43	Min. 22 ga., Type BV, Grade 33 steel; max. 5-ft spans; 5/8” puddle welds or Tek/5 screws spaced 6-inch o.c.	Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 1-inch thick, minimum 1.0 pcf EPS holey board required)	None	None	N/A	VersiFlex KEE HP	Low VOC PVC BA	-97.5

TABLE 4B: LIGHTWEIGHT CONCRETE OVER STEEL DECK - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: LWC TO DECK, BONDED ROOF COVER

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)		Supplemental Attachment		Roof Cover (Note 15)		MDP (psf)*
		Type	Treatment	Fasteners	Density	Type	Attach	
LWC-44	Min. 22 ga., Type BV, Grade 33 steel; max. 5-ft spans; 5/8" puddle welds or Tek/5 screws spaced 6-inch o.c.	Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 2-inch thick, minimum 1.0 pcf EPS holey board required)	None	None	N/A	VersiFlex KEE HP	Low VOC PVC BA	-112.5
VERSI FLEECE APPLICATIONS (PARTIAL BOND):								
LWC-45	Min. 22 ga., Type BV, Grade 40 steel at max. 6 ft spans; 5/8" puddle welds, 6-inch o.c.	Treatment: Celcore S-1 Deck Preparation Slurry LWC: Min. 310 psi, Min. 2-inch thick, Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Celcore PVA	None	N/A	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-82.5
VERSI FLEECE APPLICATIONS (FULL BOND):								
LWC-46	Min. 22 ga., Type B, Grade 33 vented steel at max. 6 ft spans attached with ½-inch dia. puddle welds with weld-washers spaced 6-inch o.c.	Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). <i>Note A.</i>	None	None	N/A	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH (FULL)	-60.0
LWC-47	Min. 22 ga., Type B, Grade 33 vented steel at max. 6 ft spans attached with ½-inch dia. puddle welds with weld-washers spaced 6-inch o.c.	Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). <i>Note A.</i>	None	HPV Fastener with Insulation Plate	1 per 9.0 ft²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH (FULL)	-67.5
LWC-48	Min. 22 ga., Type B, Grade 33 vented steel at max. 4 ft spans attached with puddle welds with 3/8-inch weld-washers spaced 6-inch o.c.	Min. 38 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). <i>Note A.</i>	Celcore PVA	None	N/A	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH (FULL)	-67.5
LWC-49	Min. 22 ga., Type B, Grade 33 vented steel at max. 6 ft spans attached with ½-inch dia. puddle welds with weld-washers spaced 6-inch o.c.	Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). <i>Note A.</i>	None	HPV Fastener with Insulation Plate	1 per 1.0 ft²	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH (FULL)	-120.0
LWC-50	Min. 22 ga., Type BV, Grade 80 steel; max. 5-ft spans; 5/8" puddle welds with weld-washers spaced 6-inch o.c.	Deck primed with Concrecel Bonding Agent at 600 ft²/gallon. Min. 350 psi, min. 2-inch thick, Concrecel Lightweight Insulating Concrete (Minimum 1-inch thick, minimum 1.0 pcf EPS holey board required)	(Optional) Concrecel Curing Compound	None	N/A	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	DASH (FULL)	-97.5
LWC-51	Min. 22 ga., Type BV, Grade 80 steel; max. 6-ft spans; 5/8" puddle welds spaced 6-inch o.c.	Min. 350 psi, min. 2-inch thick, Concrecel Lightweight Insulating Concrete (No EPS board)	None	None	N/A	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	DASH (FULL)	-105.0
LWC-52	Min. 22 ga., Type BV, Grade 80 steel; max. 6-ft spans; 5/8" puddle welds with weld-washers spaced 6-inch o.c.	Min. 350 psi, min. 2-inch thick, Concrecel Lightweight Insulating Concrete (Minimum 2-inch thick, minimum 1.0 pcf EPS holey board required)	None	None	N/A	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	DASH (FULL)	-135.0

**TABLE 4B: LIGHTWEIGHT CONCRETE OVER STEEL DECK - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: LWC TO DECK, BONDED ROOF COVER**

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)		Supplemental Attachment		Roof Cover (Note 15)		MDP (psf)*
		Type	Treatment	Fasteners	Density	Type	Attach	
LWC-53	Min. 20 ga., Type BV, Grade 33 steel; max. 6-ft 3-inch spans; 5/8" puddle welds or Tek/5 screws spaced 6-inch o.c.	Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (EPS board optional)	None	None	N/A	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH (FULL)	-52.5
LWC-54	Min. 22 ga., Type BV, Grade 33 steel; max. 6-ft spans; 5/8" puddle welds or Tek/5 screws spaced 6-inch o.c.	Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 2-inch thick, minimum 1.0 pcf EPS holey board required)	None	None	N/A	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH (FULL)	-82.5
LWC-55	Min. 22 ga., Type BV, Grade 33 steel; max. 5-ft spans; 5/8" puddle welds or Tek/5 screws spaced 6-inch o.c.	Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 1-inch thick, minimum 1.0 pcf EPS holey board required)	None	None	N/A	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH (FULL)	-97.5
LWC-56	Min. 22 ga., Type BV, Grade 33 steel; max. 5-ft spans; 5/8" puddle welds or Tek/5 screws spaced 6-inch o.c.	Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 2-inch thick, minimum 1.0 pcf EPS holey board required)	None	None	N/A	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH (FULL)	-112.5

Note A.) If the type of LWC to be used on the project is unknown, as in a re-roof (tear-off) condition, compressive strength and fastener withdrawal resistance testing shall be conducted. Compressive strength testing shall be in accordance with ASTM C495 (for new pour) or ASTM C109 (for existing) and shall yield a minimum 200 psi result. Field withdrawal resistance testing in accordance with TAS 105 shall yield a Minimum Characteristic Resistance Force (MCRF) not less than 55 lbf with a Trufast FM-90 Base Sheet Fastener. If question exists as to the adhesion to the LWC surface, field testing in accordance with ASTM E907 or FM Loss Prevention Data Sheet 1-29 is recommended. All testing shall be performed by an accredited testing agency acceptable to the Authority Having Jurisdiction.

TABLE 4C: LIGHTWEIGHT CONCRETE OVER STRUCTURAL CONCRETE – 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)*
			Membrane	Application	
BAREBACK APPLICATIONS:					
LWC-57	Min. 2,500 psi structural concrete	Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). <i>Note A.</i>	VersiFlex PVC	Low VOC PVC BA	-90.0
LWC-58	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2.5-inch thick, Concrecel Lightweight Insulating Concrete (EPS board optional)	VersiFlex KEE HP	Low VOC PVC BA	-330.0
LWC-59	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick cellular lightweight insulating concrete; Note: <i>To qualify the LWIC under this assembly, an OMG CR-R Assembled Base Sheet Fastener (1.7 in.) shall achieve a Minimum Characteristic Resistance Force (MCRF) of 101 lbf or greater when tested per TAS105.</i>	VersiFlex KEE HP	Low VOC PVC BA	-330.0
VERSIFLEECE APPLICATIONS (FULL BOND):					
LWC-60	Min. 2,500 psi structural concrete	Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). <i>Note A.</i>	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH (FULL)	-232.5
LWC-61	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick, Concrecel Lightweight Insulating Concrete (EPS board optional)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	DASH (FULL)	-282.5
LWC-62	Min. 2,500 psi structural concrete	Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (EPS board optional)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH (FULL)	-240.0
LWC-63	Min. 2,500 psi structural concrete	Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (no EPS board)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH (FULL)	-250.0
LWC-64	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick cellular lightweight insulating concrete; Note: <i>To qualify the LWIC under this assembly, an OMG CR-R Assembled Base Sheet Fastener (1.7 in.) shall achieve a Minimum Characteristic Resistance Force (MCRF) of 101 lbf or greater when tested per TAS105.</i>	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	DASH (FULL)	-282.5
LWC-65	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick pre-existent cellular lightweight insulating concrete; Note: <i>To qualify the LWIC under this assembly, an OMG CR-R Assembled Base Sheet Fastener (1.7 in.) shall achieve a Minimum Characteristic Resistance Force (MCRF) of 101 lbf or greater when tested per TAS105.</i>	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH DT (SPATTER at 3.5-4.0 lbs/sq)	-345.0

Note A.) If the type of LWC to be used on the project is unknown, as in a re-roof (tear-off) condition, compressive strength and fastener withdrawal resistance testing shall be conducted. Compressive strength testing shall be in accordance with ASTM C495 (for new pour) or ASTM C109 (for existing) and shall yield a minimum 200 psi result. Field withdrawal resistance testing in accordance with TAS 105 shall yield a Minimum Characteristic Resistance Force (MCRF) not less than 55 lbf with a Trufast FM-90 Base Sheet Fastener. If question exists as to the adhesion to the LWC surface, field testing in accordance with ASTM E907 or FM Loss Prevention Data Sheet 1-29 is recommended. All testing shall be performed by an accredited testing agency acceptable to the Authority Having Jurisdiction.

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)	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)	Type	Application	
BAREBACK APPLICATIONS:								
CWF-1	Min. 2-inch Tectum Plank; 4 ft span, Trufast #12 Purlin Fasteners with Trufast 2” Metal Seam Plates, 3 per joist	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-82.5
CWF-2	Min. 2-inch Tectum Plank; 4 ft span, Trufast #12 Purlin Fasteners with Trufast 2” Metal Seam Plates, 3 per joist	Min. 1.5-inch VersiCore MP-H, SecurShield and/or min. 2-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-82.5
CWF-3	Min. 2-inch Tectum Plank; 4 ft span, Trufast #12 Purlin Fasteners with Trufast 2” Metal Seam Plates, 3 per joist	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond B-A	-82.5
CWF-4	Min. 2-inch Tectum Plank; 4 ft span, Trufast #12 Purlin Fasteners with Trufast 2” Metal Seam Plates, 3 per joist	Min. 1.5-inch VersiCore MP-H, SecurShield and/or min. 2-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond B-A	-82.5
CWF-5	Min. 2-inch Tectum Plank; 4 ft span, Trufast #12 Purlin Fasteners with Trufast 2” Metal Seam Plates, 3 per joist	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-82.5
CWF-6	Min. 2-inch Tectum Plank; 4 ft span, Trufast #12 Purlin Fasteners with Trufast 2” Metal Seam Plates, 3 per joist	Min. 1.5-inch VersiCore MP-H, SecurShield and/or min. 2-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-82.5
FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):								
CWF-7	Min. 2-inch Tectum Plank; 4 ft span, Trufast #12 Purlin Fasteners with Trufast 2” Metal Seam Plates, 3 per joist	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-82.5
CWF-8	Min. 2-inch Tectum Plank; 4 ft span, Trufast #12 Purlin Fasteners with Trufast 2” Metal Seam Plates, 3 per joist	Min. 1.5-inch VersiCore MP-H, SecurShield and/or min. 2-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-82.5

TABLE 6A: GYPSUM DECKS – GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Notes 1&12)	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)	Type	Application	
BAREBACK APPLICATIONS:								
G-1.	Existing gypsum deck	Min. 1-inch VersiCore MP-H, SecurShield and/or min. 2-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-237.5
G-2.	Existing gypsum deck	0.5-inch DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-352.5
G-3.	Existing gypsum deck	Min. 0.5-inch SecurShield HD, SecurShield HD Plus, H- Shield HD	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-397.5
G-4.	Existing gypsum deck	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-495.0
G-5.	Existing gypsum deck	(Optional) Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-157.5
G-6.	Existing gypsum deck	Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-180.0
G-7.	Existing gypsum deck	Min. 1-inch VersiCore MP-H, SecurShield and/or min. 2-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-237.5
G-8.	Existing gypsum deck	0.5-inch DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-352.5
G-9.	Existing gypsum deck	Min. 0.5-inch SecurShield HD, SecurShield HD Plus, H- Shield HD	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-397.5
G-10.	Existing gypsum deck	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-495.0

TABLE 6A: GYPSUM DECKS – GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Notes 1&12)	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)	Type	Application	
G-11.	Existing gypsum deck	(Optional) Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-157.5
G-12.	Existing gypsum deck	Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-180.0
G-13.	Existing gypsum deck	Min. 1-inch VersiCore MP-H, SecurShield and/or min. 2-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-237.5
G-14.	Existing gypsum deck	0.5-inch DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-352.5
G-15.	Existing gypsum deck	Min. 0.5-inch SecurShield HD, SecurShield HD Plus, H- Shield HD	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-397.5
G-16.	Existing gypsum deck	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-495.0
VERSIFLEECE APPLICATIONS (PARTIAL BOND):								
G-17.	Existing gypsum deck	Min. 1-inch VersiCore MP-H, SecurShield and/or min. 2-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	DASH DT, Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0
G-18.	Existing gypsum deck	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 0.5-inch SecurShield HD, SecurShield HD Plus, H- Shield HD	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	DASH DT, Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0
VERSIFLEECE APPLICATIONS (FULL BOND):								
G-19.	Existing gypsum deck	(Optional) Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-157.5

TABLE 6A: GYPSUM DECKS – GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Notes 1&12)	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)	Type	Application	
G-20.	Existing gypsum deck	Min. 2-inch DuraFaceR (plywood top)	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-187.5
G-21.	Existing gypsum deck	Min. 1-inch VersiCore MP-H, SecurShield and/or min. 2-inch SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-237.5
G-22.	Existing gypsum deck	(Optional) Min. 1-inch Insulfoam IX	Flexible DASH (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch Insulfoam SP (Type IX)	Flexible DASH (FULL)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH (FULL)	-295.0
G-23.	Existing gypsum deck	0.5-inch DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-352.5
G-24.	Existing gypsum deck	Min. 0.5-inch SecurShield HD, SecurShield HD Plus, H- Shield HD	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-397.5
G-25.	Existing gypsum deck	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-495.0

TABLE 6B: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER

System No.	Deck (Notes 1 & 12)	Primer	Roof Cover (Note 15)		MDP (psf)*
			Type	Attach	
G-26.	Existing gypsum deck	None	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-295.0

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

System No.	Substrate (Notes 1 & 12)	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)	Type	Application	
BAREBACK APPLICATIONS:								
R-1.	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	(Optional) Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch DuraFaceR or SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-145.0
R-2.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch DuraFaceR or SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-145.0
R-3.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 2-inch DuraFaceR or SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-145.0
R-4.	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-167.0
R-5.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-167.0
R-6.	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-302.5

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

System No.	Substrate (Notes 1 & 12)	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)	Type	Application	
R-7.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	VersiFlex PVC or VersiFlex FRS PVC	CAV-GRIP PVC Adhesive	-302.5
R-8.	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime or min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-167.0
R-9.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime or min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-167.0
R-10.	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Min. 0.25-inch DensDeck Prime or min. SecurShield HD, SecurShield HD Plus	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-302.5
R-11.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.25-inch DensDeck Prime or min. SecurShield HD, SecurShield HD Plus	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	VersiFlex PVC or VersiFlex FRS PVC	HydroBond WB	-302.5
R-12.	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	(Optional) Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch DuraFaceR (plywood top) or SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-145.0

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

System No.	Substrate (Notes 1 & 12)	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)	Type	Application	
R-13.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch DuraFaceR (plywood top) or SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-145.0
R-14.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 2-inch DuraFaceR (plywood top) or SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-145.0
R-15.	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-167.0
R-16.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-167.0
R-17.	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-302.5
R-18.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP	Low VOC PVC BA	-302.5

VERSI FLEECE APPLICATIONS (FULL BOND):

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

System No.	Substrate (Notes 1 & 12)	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)	Type	Application	
R-19.	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	(Optional) Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch DuraFaceR (plywood top) or SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-145.0
R-20.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch DuraFaceR (plywood top) or SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-145.0
R-21.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 2-inch DuraFaceR (plywood top) or SecurShield HD Composite	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-145.0
R-22.	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-167.0
R-23.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-167.0
R-24.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-167.0

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

System No.	Substrate (Notes 1 & 12)	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)	Type	Application	
R-25.	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-302.5
R-26.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-302.5
VERSI FLEECE RL PVC APPLICATIONS:								
R-27.	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	(Optional) Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2.0-inch VersiCore RL	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece RL PVC		-142.5
R-28.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2.0-inch VersiCore RL	Flexible DASH or Flexible DASH DT (RIBBON)	VersiFleece RL PVC		-142.5
R-29.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 2.0-inch VersiCore RL	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	VersiFleece RL PVC		-142.5

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

System No.	Substrate (Notes 1 & 12)	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)	Base	Application	
VERSIFLEECE MEMBRANE APPLICATIONS (FULL BOND):								
R-30.	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	(Optional) Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-165.0
R-31.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1.5-inch VersiCore MP-H, SecurShield	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-165.0
R-32.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>None</u>	N/A	SureMB 90TG or 120TG / torch-applied	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP / Flexible DASH or Flexible DASH DT (FULL)	-165.0

TABLE 7C: STEEL - RECOVER
SYSTEM TYPE C-2: PLATE-BONDED 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)
			Fasteners (Note 11)	Spacing		
RHINO BOND SYSTEMS:						
R-33.	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 60-inch o.c.	One or more layers, any combination, preliminarily fastened	Versico Purlin Fasteners or RetroDriller Fasteners and RHINO BOND Insulation Plate (PVC) are fastened through to purlins	Max. 12-inch o.c. along purlins	VersiFlex PVC or VersiFlex KEE HP induction welded to RHINO BOND Plates (PVC) with RHINO BOND bonding tool.	-52.5
R-34.	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 120-inch o.c.	One or more layers, any combination, preliminarily fastened	Versico Purlin Fasteners or RetroDriller Fasteners and RHINO BOND Insulation Plate (PVC) are fastened through to purlins	Max. 6-inch o.c. along purlins	VersiFlex PVC or VersiFlex KEE HP induction welded to RHINO BOND Plates (PVC) with RHINO BOND bonding tool.	-60.0
R-35.	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 60-inch o.c.	One or more layers, any combination, preliminarily fastened	Versico Purlin Fasteners or RetroDriller Fasteners and RHINO BOND Insulation Plate (PVC) are fastened through to purlins	Max. 6-inch o.c. along purlins	VersiFlex PVC or VersiFlex KEE HP induction welded to RHINO BOND Plates (PVC) with RHINO BOND bonding tool.	-90.0
ISOWELD INDUCTION WELDING SYSTEM:						
R-36.	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, preliminarily fastened	SFS DEKFAST DF-#12-PC-SQ3 with SFS <i>isoweld</i> ® PVC Plates (FI-P-6.8-PVC) are fastened through to purlins	Max. 12-inch o.c. along purlins	VersiFlex PVC or VersiFlex KEE HP induction welded to SFS <i>isoweld</i> ® PVC Plates with SFS <i>isoweld</i> ® 3000 tool.	-45.0
R-37.	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, preliminarily fastened	SFS DEKFAST DF-#12-PC-SQ3 with SFS <i>isoweld</i> ® PVC Plates (FI-P-6.8-PVC) are fastened through to purlins	Max. 6-inch o.c. along purlins	VersiFlex PVC or VersiFlex KEE HP induction welded to SFS <i>isoweld</i> ® PVC Plates with SFS <i>isoweld</i> ® 3000 tool.	-90.0

TABLE 7D: 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		Roof Cover (Note 15A)			MDP (psf)
		Type	Attach	Membrane	Fasteners (Note 11)	Attachment	
R-38.	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 75.5-inch o.c.	One or more layers, any combination	prelim. attach	VersiFlex PVC	Versico Purlin Fastener and HPV-X Plates	12-inch o.c. within 5.5-inch wide laps spaced max. 75.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-45.0
R-39.	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 54.5-inch o.c.	One or more layers, any combination	prelim. attach	VersiFlex PVC or VersiFlex KEE HP	Versico Purlin Fastener and HPV-X Plates	12-inch o.c. within 5.5-inch wide laps spaced max. 54.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-45.0
R-40.	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 75.5-inch o.c.	One or more layers, any combination	prelim. attach	VersiFlex PVC or VersiFlex KEE HP	Versico Purlin Fastener and HPV-X Plates	6-inch o.c. within 5.5-inch wide laps spaced max. 75.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-52.5
R-41.	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 35.5-inch o.c.	One or more layers, any combination	prelim. attach	VersiFlex PVC	Versico Purlin Fastener and HPV-X Plates	12-inch o.c. within 5-inch wide laps spaced max. 35.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-52.5
R-42.	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 35-inch o.c.	One or more layers, any combination	prelim. attach	VersiFlex PVC	Versico Purlin Fastener and HPV-X Plates	12-inch o.c. within 5.5-inch wide laps spaced max. 35-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-60.0
R-43.	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 54.5-inch o.c.	One or more layers, any combination	prelim. attach	VersiFlex PVC or VersiFlex KEE HP	Versico Purlin Fastener and HPV-X Plates	6-inch o.c. within 5.5-inch wide laps spaced max. 54.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-67.5
R-44.	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 54.5-inch o.c.	One or more layers, any combination	prelim. attach	Min. 60-mil VersiFlex PVC or KEE HP	Versico Purlin Fastener and HPV-X Plates	6-inch o.c. within 5.5-inch wide laps spaced max. 54.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-75.0
R-45.	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 35.5-inch o.c.	One or more layers, any combination	prelim. attach	VersiFlex PVC or VersiFlex KEE HP	Versico Purlin Fastener and HPV-X Plates	6-inch o.c. within 5.5-inch wide laps spaced max. 35-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-82.5

TABLE 7E: RECOVER APPLICATIONS
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER

TABLE 7E: RECOVER APPLICATIONS SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER				
System No.	Substrate (Notes 1 & 12)	Roof Cover (Note 15)		MDP (psf)
		Type	Attach	
VERSIFLEECE APPLICATIONS (PARTIAL BOND):				
R-46.	Existing fully adhered, granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen over steel deck	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-75.0
R-47.	Existing fully adhered, granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen over structural concrete deck	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-177.0
VERSIFLEECE APPLICATIONS (FULL BOND):				
R-48.	Existing fully adhered, granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen over steel deck	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH or Flexible DASH DT (FULL)	-135.0
R-49.	Existing fully adhered, granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen over structural concrete, cellular lightweight concrete, Tectum or gypsum deck	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH (FULL)	-177.0
R-50.	Existing fully adhered, granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen over Tectum roof deck	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH DT (FULL)	-325.0
R-51.	Existing fully adhered, granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen over gypsum roof deck	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH DT (FULL)	-400.0
R-52.	Existing fully adhered, granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen over structural concrete deck	VersiFleece PVC, VersiFleece FRS PVC, VersiFleece KEE HP or VersiFleece FRS KEE HP	Flexible DASH DT (FULL)	-635.0

TABLE 8A: HILTI PART / SUPPORT THICKNESS LIMITATIONSⁱ

HILTI PART	STEEL SUPPORTING MEMBER THICKNESS (INCH)
X-ENP-19 L15, X-ENP-19 L15MX or X-ENP-19 L15MXR	$t \geq 0.25$
X-EDN19 THQ12 or X-EDN19 THQ12M	$0.25 \leq t \leq 0.375$
X-EDNK22 THQ12 or X-EDNK22 THQ12M	$t = 0.25$
X-HSN 24	$0.125 \leq t \leq 0.375$
S-MD 12-24 x 1-5/8 M HWH5	$0.125 < t \leq 0.25$

TABLE 8B: HILTI PART / TYPE B STEEL DECK ATTACHMENT-SPAN LIMITATIONSⁱ

HILTI PART	MAX. SPACING (INCH O.C.)	MAX. ALLOWABLE DESIGN PRESSURE (PSF)	MAX. SPAN (INCHES)					
			Min. 22 ga. steel		Min. 20 ga. steel		Min. 18 ga. steel	
			Min. 33 ksi	Min. 80 ksi	Min. 33 ksi	Min. 80 ksi	Min. 33 ksi	Min. 80 ksi
X-ENP-19 L15 X-ENP-19 L15MX X-ENP-19 L15MXR X-EDN19 THQ12 X-EDN19 THQ12M X-EDNK22 THQ12 X-EDNK22 THQ12M X-HSN 24 or S-MD 12-24 x 1-5/8 M HWH5	12	-45.0	72	72	72	72	72	72
	6	-82.5*	72	72	72	72	72	72
	6	-90.0*	68	72	72	72	72	72
	6	-97.5*	63	72	72	72	72	72
	6	-105.0*	59	72	72	72	72	72
	6	-112.5*	55	72	67	72	72	72
	6	-120.0*	51	72	63	72	72	72
	6	-127.5*	48	72	59	72	72	72
	6	-135.0*	45	72	56	72	72	72
	6	-142.5*	43	72	53	72	72	72
	6	-150.0*	41	72	50	72	69	72
	6	-157.5*	39	71	48	72	65	72
	6	-165.0*	37	68	46	72	62	72
	6	-165.0*	35	65	44	72	60	71
	6	-172.5*	34	62	42	72	57	68
	6	-180.0*	33	60	40	72	55	65
	6	-187.5*	31	57	39	71	53	62
	6	-195.0*	30	55	37	68	51	60
	6	-202.5*	29	53	36	66	49	58
	6	-210.0*	28	51	36	63	47	56
	6	-217.5*	27	50	33	61	46	54
	6	-225.0*	26	48	32	59	44	52

*Limited to fully or partially adhered roof coverings.

ⁱ Information is provided as guidance for use at the discretion of the Designer or Record and Authority Having Jurisdiction. Neither NEMO|etc. nor Robert Nieminen, P.E. purport to evaluate Hilti fasteners for compliance with the Florida Building Code.