NEMO EVALUATION REPORT (NER)

SOPREMA, Inc.
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Wadsworth, OH 44281
(800) 356-3521

SUBJECT:	**SOPREMA® SELECT Modified Bitumen Roof Systems**
SCOPE:	This NEMO Evaluation Report (henceforth 'NER') is issued under F.A.C. Rule 61G20-3 and the applicable rules and regulations governing Product Approval of construction materials in the State of Florida and ISO/IEC 17065 via NEMO|cert. NEMO Evaluations has evaluated the product described herein for compliance with the Code sections noted herein.
CODE:	2018 International Building Code 2018 International Building Code, Residential 2021 International Building Code 2021 International Building Code, Residential 2024 International Building Code 2024 International Building Code, Residential 2023 Florida Building Code, 8th Edition 2023 Florida Building Code, Residential, 8th Edition TDI Third-Party Evaluation Report acceptance
FBC JURISDICTION:	Non-HVHZ and HVHZ
NEMO CATEGORY:	Modified Bitumen
FBC CATEGORY:	Roofing
FBC SUB-CATEGORY:	Modified Bitumen Roof Systems
CSI DIVISION:	07 00 00 Thermal and Moisture Protection 07 52 00 Modified Bituminous Sheet Roofing
FBC METHOD:	Method 1, Option C – Codified Material, Evaluation by Evaluation Entity
COMPLIANCE STATEMENT:	**SOPREMA SELECT Modified Bitumen Roof Systems**, as produced by **SOPREMA, Inc.**, have demonstrated compliance with the Code sections noted herein through testing in accordance with the referenced Standards, rational analysis and an ongoing quality assurance program. Compliance is subject to the Installation Requirements and Limitations of Use set forth herein.
QUALITY ASSURANCE:	Evidence of current quality assurance shall be listing and labeling in accordance with the requirements of NEMO|cert.
CONTINUED COMPLIANCE:	This NER is valid until such time the named product(s) change, the referenced Quality Assurance changes, or the evaluated Code provisions change. NEMO Evaluations requires, at minimum, a complete review of this NER with each 3-year Code Cycle.
BUILDING PERMIT REQUIREMENTS:	As required by the Building Official or Authority Having Jurisdiction to evaluate the installation of this product.
ADVERTISEMENT:	"NEMO Evaluated" may be displayed in advertising literature. If any portion of the NER is displayed, it shall be displayed in its entirety.
CERTIFICATION OF INDEPENDENCE:	✓ NEMO CERT, LLC has not, nor does it intend to acquire or will they acquire, a financial interest in any company manufacturing or distributing products it evaluates. ✓ NEMO CERT, LLC is not owned, operated, or controlled by any company manufacturing or distributing products it evaluates. ✓ This is a building code evaluation. NEMO CERT, LLC is not, in any way, the Designer of Record for any project on which this NER, or previous versions thereof, is/was used for permitting or design guidance

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1. CODES, PROPERTIES AND STANDARDS:

CODE	SECTION	PROPERTY	STANDARD
2018 International Building Code	1504.3.1	Wind resistance	FM 4474 or UL1897
	1504.6	Physical properties	ASTM G155
	1504.7	Impact resistance	FM 4470
	1505.1	Fire classification	UL 790
	1507.10.2	Material standard	ASTM D4601
	1507.11.2	Material standard	ASTM D6162, D6163, D6164, D6222
	1507.11.2.1	Material standard	ASTM D1970, D4601
2018 International Building Code, Residential	R902.1	Fire classification	UL 790
	R905.9.2	Material standard	ASTM D4601
	R905.11.2	Material standard	ASTM D6162, D6163, D6164, D6222
	R905.11.2.1	Material standard	ASTM D1970, D4601
2021 International Building Code	1504.4.1	Wind resistance	FM 4474 or UL1897
	1504.7	Physical properties	ASTM G155
	1504.8	Impact resistance	FM 4470
	1505.1	Fire classification	UL 790
	1507.10.2	Material standard	ASTM D4601
	1507.11.2	Material standard	ASTM D6162, D6163, D6164, D6222
	1507.11.2.1	Material standard	ASTM D1970, D4601
2021 International Building Code, Residential	R902.1	Fire classification	UL 790
	R905.9.2	Material standard	ASTM D4601
	R905.11.2	Material standard	ASTM D6162, D6163, D6164, D6222
	R905.11.2.1	Material standard	ASTM D1970, D4601
2024 International Building Code	1504.4.1	Wind resistance	FM 4474 or UL1897
	1504.7	Impact resistance	FM 4470
	1505.1	Fire classification	UL 790
	1507.10.2	Material standard	ASTM D4601
	1507.11.2	Material standard	ASTM D6162, D6163, D6164, D6222
	1507.11.2.1	Material standard	ASTM D1970, D4601
2024 International Building Code, Residential	R902.1	Fire classification	UL 790
	R905.9.2	Material standard	ASTM D4601
	R905.11.2	Material standard	ASTM D6162, D6163, D6164, D6222
	R905.11.2.1	Material standard	ASTM D1970, D4601
2023 Florida Building Code, 8th Edition	1504.3.1	Wind resistance	FM 4474 or UL1897
	1504.6	Physical properties	ASTM G155
	1504.7	Impact resistance	FM 4470
	1505.1, 1516.1	Fire classification	UL 790
	1507.6.3, TAS 110	Material standard	ASTM D1970
	1507.10.2, TAS 110	Material standard	ASTM D4601
	1507.11.2, TAS 110	Material standard	ASTM D6162, D6163, D6164, D6222
	TAS 110	Resistance to Foot Traffic	TAS 114, Section 8.9
	TAS 110	Wind resistance	TAS 114, Appendix C, D or J
	TAS 110	Susceptibility to Hail Damage	TAS 114, Appendix F
	TAS 110	Susceptibility to Leakage	TAS 114, Appendix G
2023 Florida Building Code, Residential, 8th Edition	R902.1	Fire classification	UL 790
	R905.9.2	Material standard	ASTM D4601
	R905.11.2	Material standard	ASTM D6162, D6163, D6164, D6222

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2. PRODUCTS:

TABLE 1A: EVALUATED SOPREMA COMPONENTS
(NEMO Certified. Consult Directory of Certified Products for production location(s))

TYPE	PRODUCT	MATERIAL STANDARD		
	NAME	REFERENCE	TYPE	GRADE
BASE SHEETS:	MODIFIED SOPRA G	ASTM D4601	II	N/A
BASE PLY:	SELECT SBS GLASS STICK	ATSM D1970	N/A	N/A
SBS MODIFIED BITUMEN, GLASS-REINFORCED, BASE PLY MEMBRANES:	SELECT SBS GLASS FLAM	ASTM D6163	I	S
	ELASTOPHENE SP 2.2	ASTM D6163	I	S
	ELASTOPHENE STICK	ASTM D6163	I	S
SBS MODIFIED BITUMEN, POLYESTER-REINFORCED, BASE PLY MEMBRANES:	SELECT SBS POLY SANDED	ASTM D6164	I	S
	SELECT SBS POLY FLAM	ASTM D6164	I	S
	SOPRALENE Flam STICK	ASTM D6164	I	S
	SOPRALENE STICK	ASTM D6164	I	S
SBS MODIFIED BITUMEN, POLYESTER-REINFORCED, CAP PLY MEMBRANES	SELECT SBS POLY FLAM GR	ASTM D6164	I	G
SURFACING:	ALSAN RS 230	NEMO-VPA 23-0005	N/A	N/A
	ALSAN Trafik RS 730	NEMO-VPA 23-0005	N/A	N/A
	ALSAN RS 260 LO	NEMO-VPA 23-0005	N/A	N/A

TABLE 1B: EVALUATED SOPREMA ACCESSORIES
(Contact contact@nemocert.com for production location(s) of non-Certified products)

TYPE	PRODUCT	MATERIAL STANDARD		
	NAME	REFERENCE	TYPE	GRADE
SBS MODIFIED BITUMEN, POLYESTER-REINFORCED, CAP PLY MEMBRANES	SELECT SBS POLY GR	ASTM D6164	I	G
APP MODIFIED BITUMEN, POLYESTER-REINFORCED, CAP PLY MEMBRANES:	SELECT APP POLY SP	ASTM D6222	I	S
	SELECT APP POLY SANDED	ASTM D6222	I	S
	SELECT APP POLY FLAM GR	ASTM D6222	I	G
	SELECT APP POLY GR	ASTM D6222	I	G
ADHESIVES:	COLPLY Adhesive	ASTM D3019	III	N/A
	COLPLY EF Adhesive	N/A	N/A	N/A
	DUOTACK	N/A	N/A	N/A
	DUOTACK 365	N/A	N/A	N/A
	SOPRASPHALTE M	ASTM D6152	N/A	N/A
INSULATION:	SOPRABOARD	N/A	N/A	N/A
	SOPRASMART Board 180	N/A	N/A	N/A
	SOPRASMART Board 180 Sanded	N/A	N/A	N/A
	SOPRASMART ISO HD 180	N/A	N/A	N/A
	SOPRASMART ISO HD 180 Sanded	N/A	N/A	N/A
	SOPRASMART XP HD 180	N/A	N/A	N/A
	SOPRASMART XP HD 180 Sanded	N/A	N/A	N/A
	SOPRASMART XP ISO 180	N/A	N/A	N/A
	SOPRASMART XP ISO 180 Sanded	N/A	N/A	N/A
	SOPRA-XPS	ASTM C578	VII	N/A
PRIMERS:	ELASTOCOL 500	ASTM D41	N/A	N/A
	ELASTOCOL STICK	N/A	N/A	N/A
	ELASTOCOL STICK Zero	N/A	N/A	N/A
	ELASTOCOL STICK LVOC	N/A	N/A	N/A

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TABLE 1B: EVALUATED SOPREMA ACCESSORIES (Contact contact@nemocert.com for production location(s) of non-Certified products)				
TYPE	PRODUCT	MATERIAL STANDARD		
	NAME	REFERENCE	TYPE	GRADE
SURFACING:	ALSAN COATING AC 401	ASTM D6083	N/A	N/A
	ALSAN COATING SIL 402	ASTM D6694	N/A	N/A
VAPOR BARRIERS:	SOPRAVAP'R	N/A	N/A	N/A

TABLE 2: COMPONENTS BY OTHERS (4.1.4)				
TYPE	SOPREMA	ACCEPTABLE ALTERNATE	FBC	NOA[1]
BASE SHEETS:	Derbibase	N/A	FL16290	N/A
ADHESIVES:	DUOTACK SP HFO	Polyset Commercial Roofing Adhesive	FL1365	23-0614.01
	N/A	Trufast Roofing Adhesive	FL41878	24-0521.02
	DUOTACK 365	RESISTOBOND	FL3915	22-0929.06
	N/A	OlyBond 500 Adhesive Fastener	FL1608	24-0422.18
	N/A	PERMASTIC	FL31353	N/A
	N/A	Millennium One Step Foamable Adhesive	FL1800	21-1018.06
INSULATIONS:	SOPRA-ISO s	ACFoam II or Derbiboard	FL17989	24-015.03
	SOPRA-ISO+ s	ACFoam III or Derbiboard CA		
	SOPRA-ISO r	H-Shield or Derbiboard h	FL5968	24-0422.09
	SOPRA-ISO+ r	H-Shield CG		
	N/A	ENRGY 3	FL4205	24-0610.04
	N/A	ENRGY 3 CGF		
	N/A	ENRGY 3 25 PSI CGF		
	SOPRA-ISO x	Multi-Max FA-3	FL11207	22-0815.03
	SOPRA-ISO+ x	Ultra-Max		
	N/A	ISO 95+ GL	N/A	23-0613.13
	N/A	Insulfoam EPS (Type IX)	FL29563	22-0628.10
	N/A	DensDeck	FL1250	22-1223.04
	N/A	DensDeck Prime or DensDeck StormX Prime Roof Board		
	N/A	DEXcell FA Glass Mat Roof Board	FL17840	20-0212.01
	N/A	DEXcell Cement Roof Board		
	N/A	SECUROCK Gypsum-Fiber Roof Board	FL4264	21-0923.05
	N/A	SECUROCK Cement Roof Board		
	N/A	Celcore Cellular Concrete	FL2037	23-0718.06
	N/A	Concrecel Lightweight Insulating Concrete	FL5584 FL10500	21-1229.06
	N/A	Elastizell Lightweight Insulating Concrete	N/A	23-0817.05
	N/A	Mearlcrete	FL13492	19-0729.03
	N/A	NVS	N/A	23-1219.03
	N/A	EnergyGuard Roof Insulation	FL16311	24-0227.08
	N/A	Fesco Board	FL4205	23-0509.05
	N/A	DuraBoard		
	N/A	Structodek HD with Primed Red Coating	FL13792	23-0623.03
	N/A	MULTIFIX	FL13712	20-0818.10

[1] *Refer to NOA if listed version was superseded to ensure use of latest version.*

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TABLE 2: COMPONENTS BY OTHERS (4.1.4)				
TYPE	SOPREMA	ACCEPTABLE ALTERNATE	FBC	NOA[1]
MECHANICAL FASTENERS:	SOPREMA #12 Fastener	Dekfast DF-#12-PH3, #12 Perlok Fastener	FL20311	22-0913.02
	SOPREMA #14 Fastener	Dekfast DF-#14-PH3, #14 Perlok Fastener		
	SOPREMA #15 Fastener	Dekfast DF-#15-PH3		
	SOPRAFIX 2 in. SB Stress Plate	Dekfast PTL-R-2-4B		
	SOPRAFIX 2 3/8 in. SB Stress Plate	Dekfast PLT-R-2-3/8-6B		
	SOPREMA 3 in. Insulation Plate	Dekfast PLT-R-3		
	N/A	Dekfast PLT-H-2-7/8 or Perlok Steel Plate		
	SOPREMA #12 DP Fastener	Trufast #12 DP or Perlok #12 DP	FL4500	24-0227.06
	SOPREMA #14 MP Fastener	Trufast #14 HD or Perlok #14 HD		
	SOPREMA #15 HD Fastener	Trufast #15 EHD or Perlok #15 EHD		
	SOPREMA Versa-Fast Fastener	Trufast Versa-Fast Fastener or Perlok Versa-Fast Fastener		
	SOPREMA 2” Seam Plate	Trufast 2” Barbed Metal Seam Plate		
	SOPREMA 2.4” Seam Plate	Trufast 2.4” Scoop Seam Plate		
	SOPREMA 3” Metal Insulation Plate	Trufast 3” Metal Insulation Plate or Perlok 3-inch Metal Plate		
	SOPREMA Versa-Fast Plate	Trufast Versa-Fast Metal Plate or Perlok Versa-Fast Metal Plate		
	SOPRAFIX MBB or MBB-R	Trufast Flat or Recessed Batten Bar		
	SOPREMA 1.2 in. Base Sheet Fastener	Trufast FM-75 Base Sheet Fastener or Perlok FM-75 Base Sheet Fastener		
	SOPREMA 1.7 in. Base Sheet Fastener	Trufast FM-90 Base Sheet Fastener or Perlok FM-90 Base Sheet Fastener		
	SOPREMA Twin-Loc Nail	Trufast Twin Loc-Nail Assembled Fastener or Perlok Twin Loc-Nail Assembled Fastener		
	N/A	Trufast ¼” Concrete Spike		N/A
	N/A	OMG #12 Standard Roofgrip or Perlok-O #12 Screw	FL699	24-0627.03
	N/A	OMG Heavy Duty or Perlok-O #14 Screw		
	N/A	OMG #15 Roofgrip Large Head		
	N/A	OMG XHD or Perlok XHD		
	N/A	OMG CD-10 or Perlok-O CD-10		
	N/A	OMG Polymer GypTec Fastener		
	N/A	OMG 3” Galvalume Steel Plate		
	N/A	OMG AccuTrac Plate		
	N/A	OMG AccuTrac Flat Bottom or Perlok AccuTrac Flat Bottom Plate		
	N/A	OMG Polymer GypTec Plate		
	N/A	OMG Polymer Batten Strip		
	N/A	OMG CR Assembled Base Sheet Fastener (1.2”) or Perlok-O CRBSF 1.2		
	N/A	OMG CR Assembled Base Sheet Fastener (1.7”) or Perlok-O CRBSF 1.7		
	N/A	OMG 3 in. Ribbed Galvalume Plate (Flat) or Perlok-O 3” Ribbed Plate		
	N/A	OMG 3 in. Round Metal Plate or Perlok-O 3” Steel Plate		
	N/A	ACE #12 Fastener	FL41667	N/A
	N/A	ACE #15 Fastener		
	N/A	ACE 3” BE Insulation Plate		
	N/A	ACE 3” WW Insulation Plate		

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TABLE 2: COMPONENTS BY OTHERS (4.1.4)				
TYPE	SOPREMA	ACCEPTABLE ALTERNATE	FBC	NOA[1]
PRIMERS:	ALSAN RS 222 Primer	N/A	FL9779	20-0908.05
	ALSAN RS 276 Primer	N/A		
	ELASTOCOL STICK Zero	ELASTOCOL STICK LVOC or Derbibase SA Primer	FL16290	22-0706.07
	RESISTO EXTERIOR PRIMER	N/A	FL17084	N/A
	N/A	AQUAFIN VAPORTIGHT COAT-SG3	N/A	N/A
	N/A	TruGround Conductive Primer	N/A	N/A
SURFACING:	ALSAN RS 230 Flash	DerbiFlash RS 230 Flash	FL31353	N/A

3. INSTALLATION:

3.1 **SOPREMA SELECT Modified Bitumen Roof Systems** shall be installed in accordance with **SOPREMA, Inc.** published installation instructions, subject to the Limitations of Use noted herein.

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

TABLE 3: FASTENER REFERENCES		
ROOF DECK	PARTS	FASTENER ENGAGEMENT
WOOD, ENGINEERED SHEATHING OR PLANK	ACE #12 or ACE #15 with ACE 3" BE Insulation Plate or ACE 3" WW Insulation Plate *(with polyisocyanurate insulation, SOPRABOARD, DEXcell Cement Roof Board, SECUROCK Cement Roof Board, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board)*	Min. 0.75-inch penetration (engineered sheathing) or min. 1-inch embedment (plank)
	Trufast #14 HD with Trufast 3" Metal Insulation Plate	
	OMG #14 Roofgrip with OMG 3 in. Galvalume Steel Plate or AccuTrac Flat Bottom	
	Dekfast DF-#14-PH3 with PLT-H-2-7/8 or PLT-R-3	
	SOPREMA #14 Fastener with SOPREMA 3 in. Insulation Plate, SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	
	SOPREMA #12 DP Fasteners with SOPREMA 3" Metal Insulation Plates	
STEEL	ACE #12 or ACE #15 with ACE 3" BE Insulation Plate or ACE 3" WW Insulation Plate *(with polyisocyanurate insulation, SOPRABOARD, DEXcell Cement Roof Board, SECUROCK Cement Roof Board, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board)*	Min. 0.75-inch penetration
	Trufast #12 DP or Trufast #14 HD with Trufast 3" Metal Insulation Plate	
	OMG #12 Standard Roofgrip or OMG Heavy Duty with AccuTrac Plate or AccuTrac Flat Bottom, OMG #12 Standard Roofgrip or OMG Heavy Duty with OMG 3 in. Galvalume Steel Plate	
	Dekfast DF-#12-PH3 or DF-#14-PH3 with PLT-R-3	
	SOPREMA #12 or #14 Fastener with SOPREMA 3 in. Insulation Plate, SOPREMA #12 DP or #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	
STRUCTURAL CONCRETE	ACE #15 with ACE 3" BE Insulation Plate or ACE 3" WW Insulation Plate *(with polyisocyanurate insulation, SOPRABOARD, DEXcell Cement Roof Board, SECUROCK Cement Roof Board, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board)*	Non-HVHZ: Min. 1-inch embedment HVHZ: Min. 1.25-inch embedment
	Trufast #14 HD or Trufast ¼" Concrete Spike with Trufast 3" Metal Insulation Plate	
	OMG #14 Roofgrip with OMG 3 in. Galvalume Steel Plate, AccuTrac Plate or AccuTrac Flat Bottom or OMG CD-10 with OMG 3 in. Galvalume Steel Plate	
	Dekfast DF-#14-PH3 with PLT-R-3	
	SOPREMA #14 Fastener with SOPREMA 3 in. Insulation Plate or SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	

3.1.2 Insulation:

(a) Unless otherwise noted, insulation may be any one layer or combination of Approved board(s) that meet IBC 1505, IRC R902, FBC 1505, FBC R902 or FBC HVHZ 1516 and, for foam plastic, IBC/FBC Chapter 26, when installed with the roof cover.

(b) For Structural Concrete Deck or Recover Applications using System Type C-1 the base insulation layer is optional, and using System Type C-2, D-1 or D-2, the insulation is optional. Alternatively, an Approved insulation board or coverboard may be used as a separation layer. Board products shall be preliminarily attached prior to roof cover installation. The separator component shall be documented as meeting IBC 1505, IRC R902, FBC 1505, FBC R902 or FBC HVHZ 1516 and, for foam plastic, FBC Chapter 26, when installed with the roof cover in Recover applications.

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

(d) Lightweight insulating concrete (LWIC) shall be cast in accordance with FBC 1917 to the satisfaction of the Authority Having Jurisdiction. For systems where specific LWIC is referenced, refer to current LWIC Florida Product Approval or NOA 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 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.

(e) Unless otherwise noted, rigid board insulation or coverboard attachment patterns for Type B-1, B-2 and C-1 systems are as outlined below.

TABLE 4A: INSULATION ATTACHMENT PATTERNS – 4X4 FT BOARDS

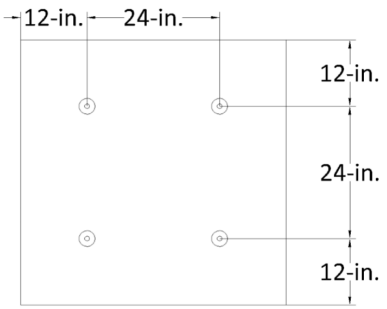
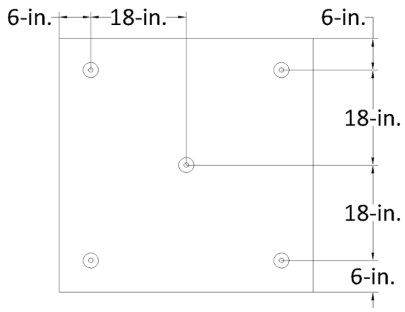
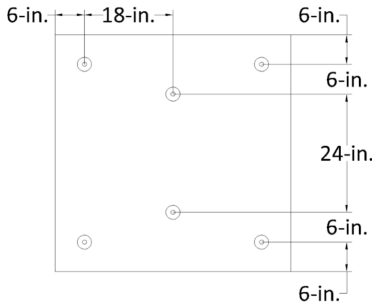
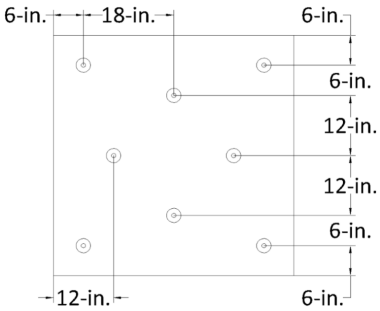
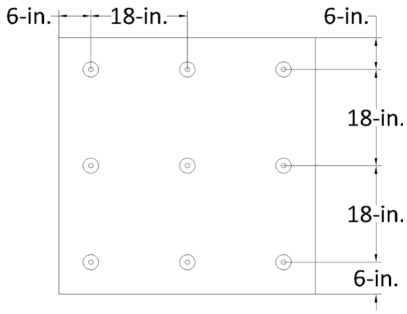
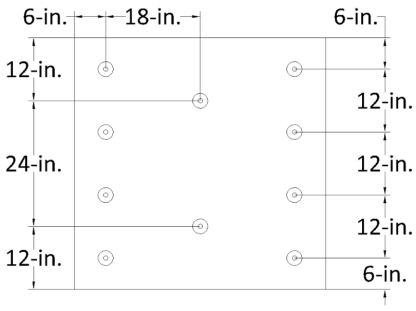
1 per 4.0 ft² (4 per board)	1 per 3.2 ft² (5 per board)	1 per 2.7 ft² (6 per board)
		
1 per 2.0 ft² (8 per board)	**1 per 1.8 ft² (9 per board)**	**1 per 1.6 ft² (10 per board)**
		

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TABLE 4A: INSULATION ATTACHMENT PATTERNS – 4X4 FT BOARDS

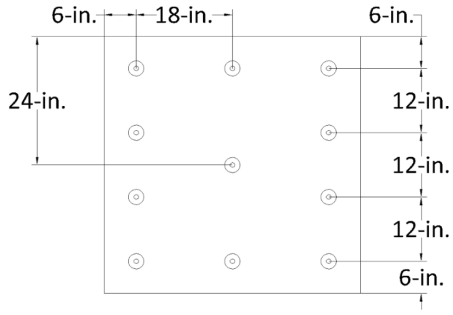
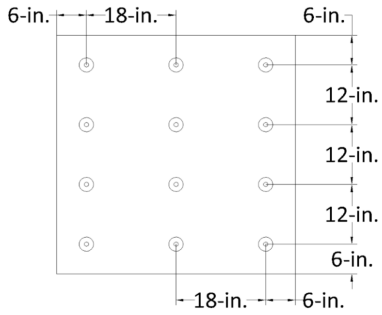
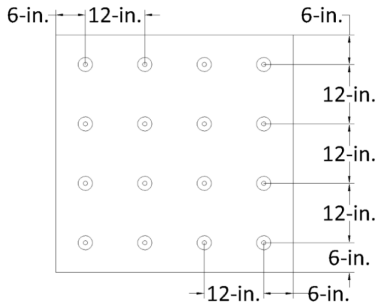
1 per 1.45 ft² (11 per board)	1 per 1.3 ft² (12 per board)	1 per 1.0 ft² (16 per board)
		

TABLE 4B: INSULATION ATTACHMENT PATTERNS – 4X8 FT BOARDS

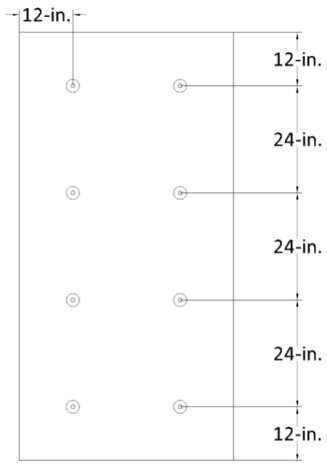
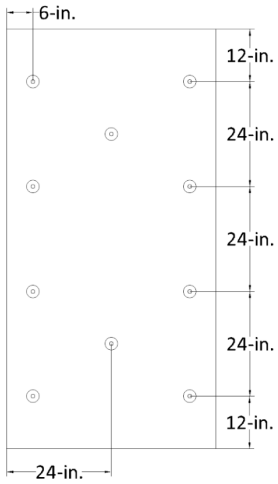
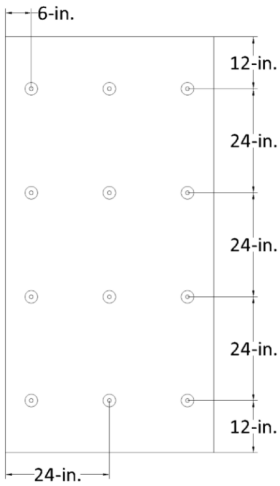
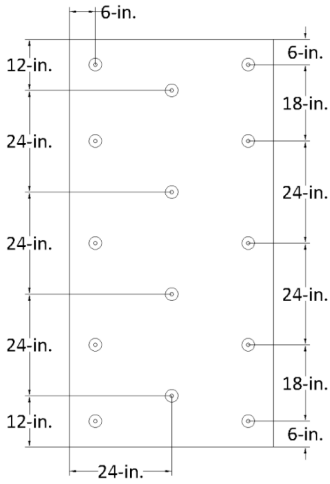
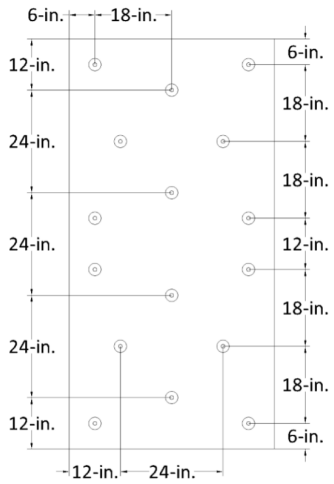
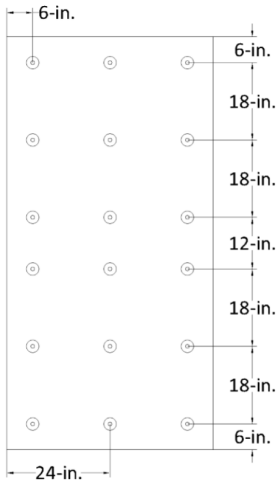
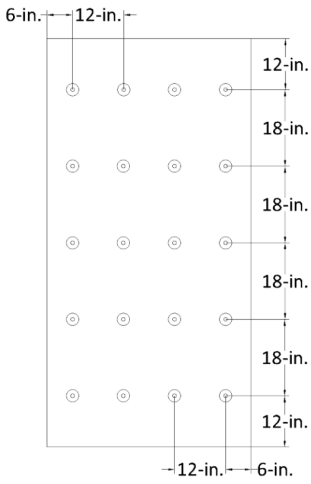
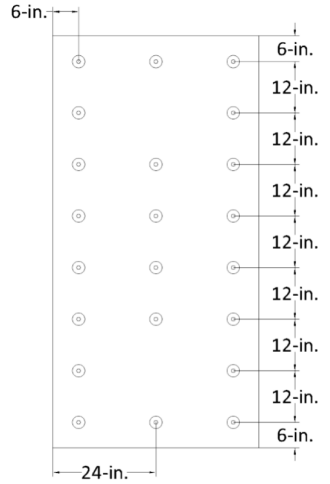
1 per 4.0 ft² (8 per board)	1 per 3.2 ft² (10 per board)	1 per 2.7 ft² (12 per board)	1 per 2.3 ft² (14 per board)
			
1 per 2.0 ft² (16 per board)	**1 per 1.8 ft² (18 per board)**	**1 per 1.6 ft² (20 per board)**	**1 per 1.45 ft² (22 per board)**
			

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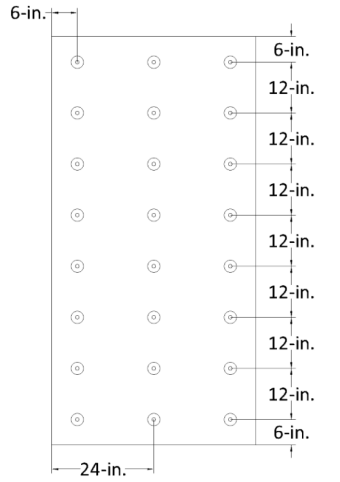
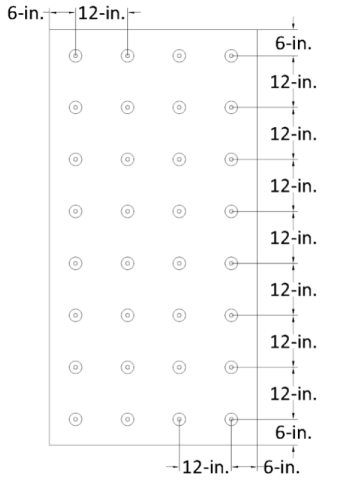
TABLE 4B: INSULATION ATTACHMENT PATTERNS – 4X8 FT BOARDS	
1 per 1.3 ft² (24 per board)	**1 per 1.0 ft² (32 per board)**
	

(f) Preliminary insulation attachment for Type D-1 or D-2 systems:

- IBC or FBC Non-HVHZ: Unless otherwise noted, use Approved roofing fasteners and plates and refer to Section 2.2.10.1.3 of FM Loss Prevention Data Sheet 1-29.
- FBC HVHZ: Unless otherwise noted, use FBC HVHZ Approved roofing fasteners and plates; minimum four fasteners per 4 x 8 ft board or minimum two fasteners per 4 x 4 ft board.

3.1.3 Insulation Adhesives:

(a) Unless otherwise noted, insulation adhesive application rate is continuous ribbons, maximum 12-inch o.c. Ribbons shall be applied and insulation boards shall be set in accordance with the manufacturer's published instructions. When multiple layers(s) of insulation and/or coverboard are installed in ribbon-applied adhesive, boards shall be staggered from layer-to-layer. 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. Concrete deck shall be primed with ASTM D41 primer prior to asphalt-application.

TABLE 5A: INSULATION ADHESIVE REFERENCES			
ADHESIVE	**REFERENCE**	**MINIMUM RATE**	**NOTE**
DUOTACK	N/A	Continuous 0.5 to 0.75-inch wide ribbons, 12-inch o.c.	DUOTACK 365 may be used anywhere DUOTACK is referenced.
DUOTACK 365	N/A	Continuous 0.5 to 0.75-inch wide ribbons, 12-inch o.c.	
DUOTACK SPF HFO	N/A	Continuous 2.5 to 3.5-inch wide ribbons, 12-inch o.c.	
Trufast Roofing Adhesive	Trufast RA	Continuous 0.75 to 1-inch wide ribbons, 12-inch o.c.	
OlyBond 500 Adhesive Fastener	OB500	Continuous 0.75-inch wide ribbons, 12-inch o.c.	PaceCart, SpotShot or Canister
PERMASTIC	N/A	Full coverage at 1.5 to 2.0 gal/square	
Millennium One Step Foamable Adhesive	M-OSFA	Continuous 0.5-inch to ¾-inch wide ribbons, 12" o.c.	
ASTM D312, Type IV asphalt	hot asphalt	Full-coverage at 25-30 lbs/square	

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(b) Unless otherwise noted, all adhered 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 for the selected systems; the lesser MDP applies.

TABLE 5B: MDP LIMITATIONS FOR TAPERED POLYISOCYANURATE INSULATIONS			
ADHESIVE	INSULATION	MIN. TAPERED THICKNESS (INCH)	MDP (PSF)
DUOTACK or DUOTACK 365	Any polyisocyanurate listed with adhesive herein	0.5	-157.5
DUOTACK SPF HFO	Any polyisocyanurate listed with adhesive herein	1.0	-117.5
M-OSFA	Any polyisocyanurate listed with adhesive herein	0.5	-157.5
OB500	ISO 95+GL	0.5	-187.5
OB500	ENRGY 3	0.5	-315.0
OB500	SOPRA-ISO s or any acceptable alternate	0.5	-487.5

(c) Adhered Insulation, Board Size:

- IBC and FBC Non-HVHZ: Unless otherwise noted, refer to Section 2.2.10.6.2 of FM Loss Prevention Data Sheet 1-29.
- FBC HVHZ: Bonded polyisocyanurate insulation boards shall be maximum 4 x 4 ft.

3.1.4 Roof Covers:

(a) For bonded membrane applications, unless otherwise noted, refer to the following.

TABLE 6A: MEMBRANE / ADHESIVE COMBINATIONS			
REFERENCE	LAYER	MATERIAL	APPLICATION
SBS-CA2	Base Ply:	SELECT SBS POLY SANDED	**COLPLY EF Adhesive,** 0.5 to 1-inch wide ribbons spaced as noted
	Cap Ply:	SELECT SBS POLY GR	
SBS-CA3	Base Ply or Ply:	SELECT SBS POLY SANDED	**COLPLY EF Adhesive** at 1.5 – 2.5 gal/square
	Cap Ply:	SELECT SBS POLY GR	
SBS-CA4	Base Ply or Ply:	SELECT SBS POLY SANDED	**COLPLY Adhesive** at 1.5 – 2 gal/square
	Cap Ply:	SELECT SBS POLY GR	
BP-AA	Base Ply or Ply:	One or more MODIFIED SOPRA G	**Hot asphalt** at 20-40 lbs/square
SBS-AA	Base Ply or Ply:	SELECT SBS POLY SANDED	**Hot asphalt** at 20-40 lbs/square
	Cap Ply:	SELECT SBS POLY GR	
SBS-AA2	Base Ply or Ply:	SELECT SBS POLY SANDED	**SOPRASPHALTE M** at 25 lbs/square
	Cap Ply:	SELECT SBS POLY GR	
SBS-TAF	Base Ply or Ply:	ELASTOPHENE SP 2.2, SELECT SBS POLY FLAM✧ or SELECT SBS GLASS FLAM✧	**Torch-Applied**, Full Bond
	Cap Ply:	SELECT SBS POLY FLAM GR	
SBS-SA1	Base Ply or Ply:	ELASTOPHENE STICK, SOPRALENE STICK, SOPRALENE FLAM STICK✧	**Self-Adhering**, Full Bond
SBS-SA2	Base Ply or Ply:	SELECT SBS GLASS STICK	**Self-Adhering**, Full Bond
APP-CA	Base Ply or Ply:	Derbibase	**Permastic Adhesive** at 1.5 to 2.0 gal/square.
APP-CA2	Base Ply or Ply:	Derbibase	**COLPLY EF Adhesive** at 1.5 – 2.5 gal/square
APP-TA	Base Ply or Ply:	Derbibase, SELECT APP POLY SANDED, SELECT APP POLY SP	**Torch-Applied**, Full Bond
	Cap Ply:	SELECT APP POLY SANDED, SELECT APP POLY SP, SELECT APP POLY GR, SELECT APP POLY FLAM GR	
Notes:	Base Ply and Ply membranes marked with an asterisk (✧) have a poly-film top surface, and require installation of a torch-applied membrane overtop.		
	Sand-surfaced membranes shall be primed with ELASTOCOL 500, ELASTOCOL Stick, ELASTOCOL Stick Zero, ELASTOCOL STICK LVOC or Derbibase SA Primer prior to application of subsequent SBS-SA1 membranes.		
	Sand-surfaced membranes may be optionally primed with ELASTOCOL 500 prior to application of subsequent SBS-CA3, SBS-CA4 or SBS-TAF membranes.		
	SOPRABOARD may be optionally primed with Detec Systems "TruGround Conductive Primer" prior to application of SBS-CA3 or SBS-TAF membranes.		
	"SG" granules are an acceptable alternate granule color for all granule-surfaced SOPREMA cap membranes.		

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(b) Mechanically Attached Base Sheet Installations:

For steel deck applications, base sheet shall be run with its length perpendicular to the steel deck flutes.

SELECT SBS POLY FLAM is heat or hot air welded. Welding is limited to hot air when using Polymer Batten Bars.

Insulation is required in New Construction or Re-Roof (Tear-Off), Steel Deck applications. Insulation is optional in New Construction or Re-Roof (Tear-Off), Wood, Structural Concrete or CWF applications or Recover applications. Insulation shall not be installed atop New Construction, Lightweight Insulating Concrete Decks.

Top layer of insulation shall be preliminarily attached.

(c) The following surfacing may be applied to the Cap Ply without adverse effect on the system wind load performance. Refer to Section 4.1.4 herein.

TABLE 6B: SURFACING OPTIONS	
OPTION #	**SURFACING**
SURF-1.	ALSAN RS 230 Field, ALSAN Trafik RS 730 Field or ALSAN RS 260 LO Field liquid-applied, reinforced membrane, or ALSAN RS 230 Flash, ALSAN Trafik RS 730 Flash or ALSAN RS 260 LO Flash liquid-applied flashing membrane (to granule-surfaced Cap Ply only)
SURF-2.	ALSAN Coating AC 401 acrylic roof coating (to granule surface only)
SURF-3.	ALSAN COATING SIL 402 silicone roof coating (to granule surface only)
SURF-4.	Flood coat of hot asphalt at 60 lbs/square followed by embedded gravel at 400 lbs/square.
SURF-5.	COLPLY Adhesive or COLPY EF Adhesive at 4 gal/square followed by embedded gravel at 400 lbs/square.
SURF-6.	ALSAN RS 230 Flash or DerbiFlash RS 230 Flash (to granule-surfaced APP or sanded- or smooth-surfaced SBS only)

3.1.5 Vapor Barriers:

(a) For System Types B-1, B-2, C-1, C-2, D-1 or D-2, an optional thermal barrier and/or SOPRAVAP'R vapor barrier membrane 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 for design and installation recommendations and limitations.

(b) Refer to Section 4.3 herein for options where the vapor barrier forms part of the load path.

4. LIMITATIONS OF USE:

4.1 General:

4.1.1 This is a building code evaluation. NEMO CERT, LLC is not, in any way, the Designer of Record for any project on which this NER, or previous versions thereof, is/was used for permitting or design guidance. NERs are not to be construed as representing any attributes not specifically listed, nor are NERs to be construed as an endorsement of the subject of the report or a recommendation for its use. There is no warranty by NEMO CERT, LLC, express or implied, as to any finding or other matter in this report, or as to any product covered by the report.

4.1.2 Roof Decks:

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

(b) OSB sheathing is not permitted in FBC HVHZ jurisdictions.

(d) Unless otherwise noted, reference to 'structural concrete' pertains to min. 2,500 psi structural concrete, and excludes 'structural lightweight concrete'.

(e) FBC HVHZ Specific: The table below lists various 'as-tested' deck conditions in accordance with Testing Application Standard TAS 114(J). In no case shall these values be used to 'increase' the MDP listings for the selected systems; the lesser MDP applies.

TABLE 7: AS-TESTED DECK ATTACHMENT DETAILS (TAS 114, APPENDIX J)				
TYPE	**AS TESTED SUB-ASSEMBLY**			
	SPAN (INCH O.C.)	**FASTENER**	**SPACING (INCH O.C.)**	**MDP (PSF)**
15/32-inch APA rated CDX plywood	24	8d ring shank nails	6	-52.5
	24	#10 wood screws	6	-90.0
	24	#10 wood screws	4	-105.0
19/32-inch APA rated CDX plywood	24	8d ring shank nails	6	-67.5
	24	#8 wood screws	6	-97.5

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TABLE 7: AS-TESTED DECK ATTACHMENT DETAILS (TAS 114, APPENDIX J)				
TYPE	AS TESTED SUB-ASSEMBLY			
	SPAN (INCH O.C.)	FASTENER	SPACING (INCH O.C.)	MDP (PSF)
22 ga., Type B, Grade 33 steel	72	#12 HWH Teks 5	6	-82.5
	72	#12 HWH Teks 5 with ¾" steel washers	6	-112.5
	72	Two (2) #12 HWH Teks 5 with ¾" steel washers	6	-172.5
22 ga., Type B, Grade 40 steel	72	#12 HWH Teks 5	6	-82.5
	72	#12 HWH Teks 5 with ¾" washers	6	-127.5
22 ga., Type B, Grade 80 steel	72	#12 HWH Teks 5	6	-135.0
	72	#12 HWH Teks 5 with ¾" steel washers	6	-142.5
	72	Two (2) #12 HWH Teks 5	6	-127.5
	72	Two (2) #12 HWH Teks 5 with ¾" steel washers	6	-172.5
	66	Two (2) #12 HWH Teks 5 with ¾" steel washers	6	-180.0
	60	Two (2) #12 HWH Teks 5 with ¾" steel washers	6	-202.5
20 ga., Type B, Grade 80 steel	72	Two (2) #12 HWH Teks 5 with ¾" steel washers	6	-195.0
18 ga., Type B, Grade 80 steel	72	Two (2) #12 HWH Teks 5 with ¾" steel washers	6	-202.5
Note:	Steel deck stress analysis is the responsibility of others to the satisfaction of the Authority Having Jurisdiction			

4.1.3 Fire Classification:

(a) Refer to **IBC / FBC 1505, FBC HVHZ 1516, UL TGFU.R11436** and the fire classification certificate for the roof cover manufacturer for requirements and limitations regarding roof assembly fire classification.

(b) Refer to **FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.

4.1.4 Quality Assurance:

All components in the roof assembly shall have quality assurance surveillance in accordance with **F.A.C. Rule 61G20-3**. For components listed herein that are produced by a manufacturer other than the report holder on Page 1 of this NER, refer to the supporting evidence held by the component manufacturer.

4.2 **Jurisdiction Specific:**

	IBC and FBC Non-HVHZ	FBC HVHZ
4.2.1	This NER does not include evaluation of roof edge termination. Refer to **IBC 1504.6 or FBC 1504.5** for requirements and limitations regarding edge securement for low-slope roofs.	This NER does not include evaluation of roof edge termination. Refer to **RAS 111** for requirements and limitations regarding edge securement for low-slope roofs.
4.2.2	Refer to **IBC 1512 or FBC 1511** for requirements and limitations regarding recover installations.	Refer to **FBC HVHZ 1521** for requirements and limitations regarding recover installations.
(a)	For mechanical attachment to existing roof decks, fasteners shall be tested for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with **ANSI/SPRI FX-1** or **TAS 105**.	For mechanical attachment to existing roof decks, fasteners shall be tested 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 **TAS 105**.
	For systems using Versa-Fast, the number of Versa-Fast Fasteners installed through the Versa-Fast Plate may be increased from the minimum noted in order to yield minimum required withdrawal resistance.	
(b)	For adhered re-roof (tear off) installation, the existing substrate shall be examined for compatibility with the adhesive. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with **ANSI/SPRI IA-1**, **FM Loss Prevention Data Sheet 1-52** or **TAS 124** shall be conducted on mock-ups of the proposed interface.	For adhered re-roof (tear off) installation, the existing substrate 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 **TAS 124** shall be conducted on mock-ups of the proposed interface.

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(c) For adhered recover installation, the existing roof system shall meet project design pressure requirements on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with **FM Loss Prevention Data Sheet** **1-52** or **TAS** **124**.

For adhered recover installation, the existing roof system shall meet project design pressure requirements on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with **TAS** **124**.

4.2.3 Wind Load Resistance:

(a) Refer to Section 4.3 for a tabulated summary of assembly listings and maximum allowable design pressures.

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

"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 **TAS** **114** has already been applied). Refer to **FBC HVHZ 1620** or **RAS** **128** for determination of design wind loads.

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

Assemblies having a MDP < 45.0 psf are not permitted in FBC HVHZ jurisdictions. The MDP for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with **FBC HVHZ 1620** or **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 **RAS** **117** or **RAS** **137**.

(d) For fully-adhered installations, the maximum design pressure for the selected assembly shall meet or exceed the critical design pressure. Rational analysis is not permitted.

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.

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4.3 System Listings and Allowable Design Pressures: See Section 4.2.3

4.3.1 Thermal Barriers / Vapor Barriers: The lesser of the MDP listings below vs. that for the selected roof assembly from Section 4.3.2 applies.

(a) Wood Decks:

TABLE VB-1: WOOD DECK
THERMAL BARRIER / VAPOR BARRIER FOLLOWED BY ADHERED INSULATION

OPTION #	DECK (4.1.2)	THERMAL BARRIER			PRIMER	VAPOR BARRIER (3.1.4)		ADHESIVE PER TABLE 8A OR 9A (3.1.3)	MDP (PSF)
		TYPE	FASTENER (4.2.2) OR ADHESIVE (3.1.3)	ATTACH (3.1.2E)		BASE PLY	CAP PLY (GRANULE)		
W-TB/VB-1.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 4.0 ft^2	None	SBS-CA3 (sanded top)	None	DUOTACK	-30.0*
W-TB/VB-2.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 4.0 ft^2	None	(Optional) SBS-CA3	SBS-CA3	DUOTACK 365	-30.0*
W-TB/VB-3.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 4.0 ft^2	(Optional) ELASTOCOL 500	SBS-AA or SBS-TAF (sanded top)	None	DUOTACK	-30.0*
W-TB/VB-4.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 4.0 ft^2	(Optional) ELASTOCOL 500	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	DUOTACK 365	-30.0*
W-TB/VB-5.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 4.0 ft^2	ELASTOCOL STICK or ELASTOCOL STICK Zero	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK	-30.0*
W-TB/VB-6.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 4.0 ft^2	ELASTOCOL STICK or ELASTOCOL STICK Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-30.0*
W-TB/VB-7.	Min. 19/32-inch APA rated CDX plywood	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 4.0 ft^2	None	SBS-CA3 (sanded top)	None	DUOTACK	-37.5*
W-TB/VB-8.	Min. 19/32-inch APA rated CDX plywood	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 4.0 ft^2	None	(Optional) SBS-CA3	SBS-CA3	DUOTACK 365	-37.5*
W-TB/VB-9.	Min. 19/32-inch APA rated CDX plywood	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 4.0 ft^2	(Optional) ELASTOCOL 500	SBS-AA or SBS-TAF (sanded top)	None	DUOTACK	-37.5*
W-TB/VB-10.	Min. 19/32-inch APA rated CDX plywood	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 4.0 ft^2	(Optional) ELASTOCOL 500	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	DUOTACK 365	-37.5*

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TABLE VB-1: WOOD DECK
THERMAL BARRIER / VAPOR BARRIER FOLLOWED BY ADHERED INSULATION

OPTION #	DECK (4.1.2)	THERMAL BARRIER			PRIMER	VAPOR BARRIER (3.1.4)		ADHESIVE PER TABLE 8A OR 9A (3.1.3)	MDP (PSF)
		TYPE	FASTENER (4.2.2) OR ADHESIVE (3.1.3)	ATTACH (3.1.2E)		BASE PLY	CAP PLY (GRANULE)		
W-TB/VB-11.	Min. 19/32-inch APA rated CDX plywood	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 4.0 ft^2	ELASTOCOL STICK or ELASTOCOL STICK Zero	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK	-37.5*
W-TB/VB-12.	Min. 19/32-inch APA rated CDX plywood	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 4.0 ft^2	ELASTOCOL STICK or ELASTOCOL STICK Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-37.5*
W-TB/VB-13.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing or 19/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the SOPREMA Versa-Fast Plate.	1 per 2.7 ft^2	None	SBS-CA3 (sanded top)	None	DUOTACK	-45.0*
W-TB/VB-14.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing or 19/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the SOPREMA Versa-Fast Plate.	1 per 2.7 ft^2	None	(Optional) SBS-CA3	SBS-CA3	DUOTACK 365	-45.0*
W-TB/VB-15.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing or 19/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft^2	(Optional) ELASTOCOL 500	SBS-AA or SBS-TAF (sanded top)	None	DUOTACK	-45.0*
W-TB/VB-16.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing or 19/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft^2	(Optional) ELASTOCOL 500	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	DUOTACK 365	-45.0*
W-TB/VB-17.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing or 19/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft^2	ELASTOCOL STICK or ELASTOCOL STICK Zero	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK	-45.0*
W-TB/VB-18.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing or 19/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft^2	ELASTOCOL STICK or ELASTOCOL STICK Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-45.0*
W-TB/VB-19.	Min. 15/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA #12 DP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft^2	None	SBS-CA3 (sanded top)	None	DUOTACK	-67.5
W-TB/VB-20.	Min. 15/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA #12 DP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft^2	None	(Optional) SBS-CA3	SBS-CA3	DUOTACK 365	-67.5

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TABLE VB-1: WOOD DECK
THERMAL BARRIER / VAPOR BARRIER FOLLOWED BY ADHERED INSULATION

OPTION #	DECK (4.1.2)	THERMAL BARRIER			PRIMER	VAPOR BARRIER (3.1.4)		ADHESIVE PER TABLE 8A OR 9A (3.1.3)	MDP (PSF)
		TYPE	FASTENER (4.2.2) OR ADHESIVE (3.1.3)	ATTACH (3.1.2E)		BASE PLY	CAP PLY (GRANULE)		
W-TB/VB-21.	Min. 15/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA #12 DP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft^2	(Optional) ELASTOCOL 500	SBS-AA or SBS-TAF (sanded top)	None	DUOTACK	-67.5
W-TB/VB-22.	Min. 15/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA #12 DP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft^2	(Optional) ELASTOCOL 500	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	DUOTACK 365	-67.5
W-TB/VB-23.	Min. 15/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA #12 DP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft^2	ELASTOCOL STICK or ELASTOCOL STICK Zero	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK	-67.5
W-TB/VB-24.	Min. 15/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA #12 DP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft^2	ELASTOCOL STICK or ELASTOCOL STICK Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-67.5
W-TB/VB-25.	Min. 15/32-inch APA rated BCX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners or SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft^2	None	SBS-CA3 (sanded top)	None	DUOTACK	-67.5
W-TB/VB-26.	Min. 15/32-inch APA rated BCX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners or SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft^2	None	(Optional) SBS-CA3	SBS-CA3	DUOTACK 365	-67.5
W-TB/VB-27.	Min. 15/32-inch APA rated BCX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners or SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft^2	(Optional) ELASTOCOL 500	SBS-AA or SBS-TAF (sanded top)	None	DUOTACK	-67.5
W-TB/VB-28.	Min. 15/32-inch APA rated BCX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners or SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft^2	(Optional) ELASTOCOL 500	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	DUOTACK 365	-67.5
W-TB/VB-29.	Min. 15/32-inch APA rated BCX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners or SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft^2	ELASTOCOL STICK or ELASTOCOL STICK Zero	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK	-67.5
W-TB/VB-30.	Min. 15/32-inch APA rated BCX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners or SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft^2	ELASTOCOL STICK or ELASTOCOL STICK Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-67.5
W-TB/VB-31.	Min. 19/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA #14 MP Fastener installed into the center hole of the Versa-Fast Plate	1 per 1.8 ft^2	None	SBS-CA3 (sanded top)	None	DUOTACK	-67.5

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TABLE VB-1: WOOD DECK
THERMAL BARRIER / VAPOR BARRIER FOLLOWED BY ADHERED INSULATION

OPTION #	DECK (4.1.2)	THERMAL BARRIER			PRIMER	VAPOR BARRIER (3.1.4)		ADHESIVE PER TABLE 8A OR 9A (3.1.3)	MDP (PSF)
		TYPE	FASTENER (4.2.2) OR ADHESIVE (3.1.3)	ATTACH (3.1.2E)		BASE PLY	CAP PLY (GRANULE)		
W-TB/VB-32.	Min. 19/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA #14 MP Fastener installed into the center hole of the Versa-Fast Plate	1 per 1.8 ft^2	None	(Optional) SBS-CA3	SBS-CA3	DUOTACK 365	-67.5
W-TB/VB-33.	Min. 19/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA #14 MP Fastener installed into the center hole of the Versa-Fast Plate	1 per 1.8 ft^2	(Optional) ELASTOCOL 500	SBS-AA or SBS-TAF (sanded top)	None	DUOTACK	-67.5
W-TB/VB-34.	Min. 19/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA #14 MP Fastener installed into the center hole of the Versa-Fast Plate	1 per 1.8 ft^2	(Optional) ELASTOCOL 500	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	DUOTACK 365	-67.5
W-TB/VB-35.	Min. 19/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA #14 MP Fastener installed into the center hole of the Versa-Fast Plate	1 per 1.8 ft^2	ELASTOCOL STICK or ELASTOCOL STICK Zero	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK	-67.5
W-TB/VB-36.	Min. 19/32-inch APA rated CDX plywood	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA #14 MP Fastener installed into the center hole of the Versa-Fast Plate	1 per 1.8 ft^2	ELASTOCOL STICK or ELASTOCOL STICK Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-67.5
W-TB/VB-37.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365	6-inch o.c.	None	SBS-AA or SBS-TAF (sanded top)	None	DUOTACK	-105.0
W-TB/VB-38.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365	6-inch o.c.	None	(Optional) SBS-TAF	SBS-TAF	DUOTACK 365	-105.0
W-TB/VB-39.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365	6-inch o.c.	ELASTOCOL STICK or ELASTOCOL STICK Zero	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK	-105.0
W-TB/VB-40.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365	6-inch o.c.	ELASTOCOL STICK or ELASTOCOL STICK Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-105.0

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(b) Steel Decks:

TABLE VB-2: STEEL DECK THERMAL BARRIER / VAPOR BARRIER FOLLOWED BY ADHERED INSULATION									
OPTION #	DECK (4.1.2)	THERMAL BARRIER			PRIMER	VAPOR BARRIER (3.1.4)		ADHESIVE PER TABLE 9A OR 9B (3.1.3)	MDP (PSF)
		TYPE	FASTENER (4.2.2) OR ADHESIVE (3.1.3)	ATTACH (3.1.2E)		BASE PLY	CAP PLY (GRANULE)		
S-TB/VB-1.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft^2	None	SBS-CA3, SBS-CA4 or SBS-AA (sanded top)	None	DUOTACK	-45.0*
S-TB/VB-2.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft^2	None	(Optional) SBS-CA3	SBS-CA3	DUOTACK 365	-45.0*
S-TB/VB-3.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft^2	None	(Optional) SBS-CA4	SBS-CA4	DUOTACK 365	-45.0*
S-TB/VB-4.	Min. 22 ga., Type B, Grade 33 steel	0.25-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft^2	None	SBS-CA3 (sanded top)	None	DUOTACK	-45.0*
S-TB/VB-5.	Min. 22 ga., Type B, Grade 33 steel	0.25-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft^2	None	(Optional) SBS-CA3	SBS-CA3	DUOTACK 365	-45.0*
S-TB/VB-6.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft^2	ELASTOCOL 500	SBS-TAF (sanded top)	None	DUOTACK	-45.0*
S-TB/VB-7.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft^2	ELASTOCOL 500	(Optional) SBS-TAF	SBS-TAF	DUOTACK 365	-45.0*
S-TB/VB-8.	Min. 22 ga., Type B, Grade 33 steel	0.25-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft^2	None	SBS-TAF (sanded top)	None	DUOTACK	-45.0*
S-TB/VB-9.	Min. 22 ga., Type B, Grade 33 steel	0.25-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft^2	None	(Optional) SBS-TAF	SBS-TAF	DUOTACK 365	-45.0*
S-TB/VB-10.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft^2	ELASTOCOL STICK or ELASTOCOL STICK Zero	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK	-45.0*
S-TB/VB-11.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft^2	ELASTOCOL STICK or ELASTOCOL STICK Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-45.0*
S-TB/VB-12.	Min. 22 ga., Type B, Grade 33 steel	0.25-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft^2	ELASTOCOL STICK or ELASTOCOL STICK Zero	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK	-45.0*
S-TB/VB-13.	Min. 22 ga., Type B, Grade 33 steel	0.25-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft^2	ELASTOCOL STICK or ELASTOCOL STICK Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-45.0*
S-TB/VB-14.	22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365	12-inch o.c.	None	SBS-AA or SBS-TAF (sanded top)	None	DUOTACK	-45.0*
S-TB/VB-15.	22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365	12-inch o.c.	None	(Optional) SBS-TAF	SBS-TAF	DUOTACK 365	-45.0*
S-TB/VB-16.	22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365	12-inch o.c.	ELASTOCOL STICK or ELASTOCOL STICK Zero	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK	-45.0*

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TABLE VB-2: STEEL DECK
THERMAL BARRIER / VAPOR BARRIER FOLLOWED BY ADHERED INSULATION

OPTION #	DECK (4.1.2)	THERMAL BARRIER			PRIMER	VAPOR BARRIER (3.1.4)		ADHESIVE PER TABLE 9A OR 9B (3.1.3)	MDP (PSF)
		TYPE	FASTENER (4.2.2) OR ADHESIVE (3.1.3)	ATTACH (3.1.2E)		BASE PLY	CAP PLY (GRANULE)		
S-TB/VB-17.	22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365	12-inch o.c.	ELASTOCOL STICK or ELASTOCOL STICK Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-45.0*
S-TB/VB-18.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft^2	None	SBS-CA3 (sanded top)	None	DUOTACK	-75.0
S-TB/VB-19.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft^2	None	SBS-TAF (sanded top)	None	DUOTACK	-75.0
S-TB/VB-20.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft^2	None	(Optional) SBS-TAF	SBS-TAF	DUOTACK 365	-75.0
S-TB/VB-21.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft^2	None	SBS-CA3, SBS-CA4 or SBS-AA (sanded top)	None	DUOTACK	-82.5
S-TB/VB-22.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft^2	None	SBS-AA (sanded top)	None	DUOTACK	-82.5
S-TB/VB-23.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft^2	ELASTOCOL 500	SBS-TAF (sanded top)	None	DUOTACK	-82.5
S-TB/VB-24.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft^2	ELASTOCOL 500	(Optional) SBS-TAF	SBS-TAF	DUOTACK 365	-82.5
S-TB/VB-25.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft^2	ELASTOCOL STICK or ELASTOCOL STICK Zero	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK	-82.5
S-TB/VB-26.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft^2	ELASTOCOL STICK or ELASTOCOL STICK Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-82.5
S-TB/VB-27.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365	6-inch o.c.	None	SBS-AA or SBS-TAF (sanded top)	None	DUOTACK	-127.5
S-TB/VB-28.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365	6-inch o.c.	None	(Optional) SBS-TAF	SBS-TAF	DUOTACK 365	-127.5
S-TB/VB-29.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365	6-inch o.c.	ELASTOCOL STICK or ELASTOCOL STICK Zero	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK	-127.5
S-TB/VB-30.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365	6-inch o.c.	ELASTOCOL STICK or ELASTOCOL STICK Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK 365	-127.5
S-TB/VB-31.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DensDeck Prime	DUOTACK SPF HFO	12-inch o.c.	ELASTOCOL STICK or ELASTOCOL STICK Zero	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK SPF HFO	-75.0

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TABLE VB-2: STEEL DECK
THERMAL BARRIER / VAPOR BARRIER FOLLOWED BY ADHERED INSULATION

OPTION #	DECK (4.1.2)	THERMAL BARRIER			PRIMER	VAPOR BARRIER (3.1.4)		ADHESIVE PER TABLE 9A OR 9B (3.1.3)	MDP (PSF)
		TYPE	FASTENER (4.2.2) OR ADHESIVE (3.1.3)	ATTACH (3.1.2E)		BASE PLY	CAP PLY (GRANULE)		
S-TB/VB-32.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DensDeck Prime	DUOTACK SPF HFO	12-inch o.c.	ELASTOCOL STICK or ELASTOCOL STICK Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK SPF HFO	-75.0
S-TB/VB-33.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	12-inch o.c.	None	SBS-AA (sanded top)	None	DUOTACK SPF HFO	-75.0
S-TB/VB-34.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	12-inch o.c.	ELASTOCOL STICK Zero	SOPRAVAP'R	None	DUOTACK SPF HFO	-75.0
S-TB/VB-35.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	12-inch o.c.	ELASTOCOL 500	SBS-TAF (sanded top)	None	DUOTACK SPF HFO	-75.0
S-TB/VB-36.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	12-inch o.c.	ELASTOCOL 500	(Optional) SBS-TAF	SBS-TAF	DUOTACK SPF HFO	-75.0
S-TB/VB-37.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	12-inch o.c.	ELASTOCOL STICK Zero	SOPRAVAP'R	None	DUOTACK SPF HFO	-75.0
S-TB/VB-38.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	12-inch o.c.	ELASTOCOL Stick or ELASTOCOL Stick Zero	SBS-SA1 (sanded top)	None	DUOTACK SPF HFO	-75.0
S-TB/VB-39.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	12-inch o.c.	ELASTOCOL STICK or ELASTOCOL STICK Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK SPF HFO	-75.0
S-TB/VB-40.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DensDeck Prime	DUOTACK SPF HFO	6-inch o.c.	ELASTOCOL STICK or ELASTOCOL STICK Zero	SOPRAVAP'R or SBS-SA1 (sanded top)	None	DUOTACK SPF HFO, 6-inch o.c.	-127.5
S-TB/VB-41.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DensDeck Prime	DUOTACK SPF HFO	6-inch o.c.	ELASTOCOL STICK or ELASTOCOL STICK Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK SPF HFO, 6-inch o.c.	-127.5
S-TB/VB-42.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	6-inch o.c.	None	SBS-AA (sanded top)	None	DUOTACK SPF HFO, 6-inch o.c.	-127.5
S-TB/VB-43.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	6-inch o.c.	ELASTOCOL STICK Zero	SOPRAVAP'R	None	DUOTACK SPF HFO, 6-inch o.c.	-127.5
S-TB/VB-44.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	6-inch o.c.	ELASTOCOL 500	SBS-TAF (sanded top)	None	DUOTACK SPF HFO, 6-inch o.c.	-127.5
S-TB/VB-45.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	6-inch o.c.	ELASTOCOL 500	(Optional) SBS-TAF	SBS-TAF	DUOTACK SPF HFO, 6-inch o.c.	-127.5
S-TB/VB-46.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	6-inch o.c.	ELASTOCOL STICK Zero	SOPRAVAP'R	None	DUOTACK SPF HFO, 6-inch o.c.	-127.5
S-TB/VB-47.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	6-inch o.c.	ELASTOCOL Stick or ELASTOCOL Stick Zero	SBS-SA1 (sanded top)	None	DUOTACK SPF HFO, 6-inch o.c.	-127.5

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TABLE VB-2: STEEL DECK THERMAL BARRIER / VAPOR BARRIER FOLLOWED BY ADHERED INSULATION									
OPTION #	DECK (4.1.2)	THERMAL BARRIER			PRIMER	VAPOR BARRIER (3.1.4)		ADHESIVE PER TABLE 9A OR 9B (3.1.3)	MDP (PSF)
		TYPE	FASTENER (4.2.2) OR ADHESIVE (3.1.3)	ATTACH (3.1.2E)		BASE PLY	CAP PLY (GRANULE)		
S-TB/VB-48.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	6-inch o.c.	ELASTOCOL STICK or ELASTOCOL STICK Zero	(Optional) SBS-SA1	SBS-TAF	DUOTACK SPF HFO, 6-inch o.c.	-127.5

(c) Structural Concrete Decks:

TABLE VB-3A: STRUCTURAL CONCRETE DECK 1-PLY VAPOR BARRIER FOLLOWED BY ADHERED INSULATION				
OPTION #	PRIMER	VAPOR BARRIER (3.1.4)	INSULATION ADHESIVE PER TABLE 11A (3.1.3)	MDP (PSF)
C-VB-1.	none	SOPRASMART XP HD 180 Sanded applied in DUOTACK, ribbons 12-inch o.c. (laps are torched or sealed with a hot air gun)	DUOTACK	-52.5
C-VB-2.	ASTM D41	SBS-CA4 (granule top)	DUOTACK	-97.5
C-VB-3.	ASTM D41	SBS-CA4 (sanded top)	DUOTACK	-120.0
C-VB-4.	none	SBS-CA2 (sanded- or granule-top-surface), ribbons 6-inch o.c.	DUOTACK	-120.0
C-VB-5.	(Optional) ASTM D41, ELASTOCOL 500	SBS-CA3 (granule top)	DUOTACK	-195.0
C-VB-6.	ASTM D41	SBS-AA (granule top)	DUOTACK	-195.0
C-VB-7.	ASTM D41	SBS-TAF (granule top)	DUOTACK	-195.0
C-VB-8.	none	SBS-CA2 (sanded- or granule-top-surface), 6-inch o.c.	DUOTACK *(ribbons perpendicular to vapor barrier adhesive ribbons)*	-207.5
C-VB-9.	ELASTOCOL STICK Zero	SOPRAVAP'R, self-adhering	DUOTACK	-240.0
C-VB-10.	none	SBS-CA3 (sanded top)	DUOTACK	-255.0
C-VB-11.	ASTM D41, ELASTOCOL 500	SBS-CA3 (sanded top)	DUOTACK	-270.0
C-VB-12.	ASTM D41	SBS-AA (sanded top)	DUOTACK	-270.0
C-VB-13.	ELASTOCOL STICK Zero	One or two plies ELASTOPHENE STICK or SOPRALENE STICK, self-adhering	DUOTACK	-315.0
C-VB-14.	ASTM D41	SBS-TAF (sanded top)	DUOTACK	-382.5
C-VB-15.	None	SBS-CA2 (sanded- or granule-top-surface), 6-inch o.c.	DUOTACK, 6-inch o.c.	-445.0
C-VB-16.	ALSAN RS 222, ALSAN RS 276 or AQUAFIN VAPORTIGHT COAT-SG3	Base coat of ALSAN RS 230 applied at 3.9 gal/sq. followed by ALSAN RS Fleece into the wet base coat, and top coat of ALSAN RS 230 at 1.9 gal/sq., surfaced with ALSAN RS Quartz Aggregate to refusal. Remove loose aggregate prior to insulation adhesive placement.	DUOTACK 365	-382.5
C-VB-17.	ALSAN RS 222, ALSAN RS 276 or AQUAFIN VAPORTIGHT COAT-SG3	Base coat of ALSAN RS 230 applied at 3.9 gal/sq. followed by ALSAN RS Fleece into the wet base coat, and top coat of ALSAN RS 230 at 1.9 gal/sq., surfaced with ALSAN RS Quartz Aggregate to refusal. Remove loose aggregate prior to insulation adhesive placement.	DUOTACK 365, 6-inch o.c.	-445.0
C-VB-18.	ASTM D41	SBS-CA4 (granule top)	DUOTACK SPF HFO	-97.5
C-VB-19.	ASTM D41	SBS-CA4 (sanded top)	DUOTACK SPF HFO	-120.0
C-VB-20.	(Optional) ASTM D41, ELASTOCOL 500	SBS-CA3 (granule top)	DUOTACK SPF HFO	-195.0
C-VB-21.	ASTM D41	SBS-AA (granule top)	DUOTACK SPF HFO	-195.0
C-VB-22.	ASTM D41	SBS-TAF (granule top)	DUOTACK SPF HFO	-195.0
C-VB-23.	(Optional) ASTM D41, ELASTOCOL 500	SBS-CA3 (sanded top)	DUOTACK SPF HFO	-222.5
C-VB-24.	ASTM D41	SBS-AA (sanded top)	DUOTACK SPF HFO	-222.5

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TABLE VB-3A: STRUCTURAL CONCRETE DECK 1-PLY VAPOR BARRIER FOLLOWED BY ADHERED INSULATION				
OPTION #	PRIMER	VAPOR BARRIER (3.1.4)	INSULATION ADHESIVE PER TABLE 11A (3.1.3)	MDP (PSF)
C-VB-25.	ASTM D41	SBS-TAF (sanded top)	DUOTACK SPF HFO	-222.5
C-VB-26.	ELASTOCOL Stick, ELASTOCOL Stick Zero	SBS-SA1 (sanded top)	DUOTACK SPF HFO	-222.5
C-VB-27.	ELASTOCOL STICK Zero	SOPRAVAP'R, self-adhering	DUOTACK SPF HFO	-392.5
C-VB-28.	ASTM D41	Derbibase, torch-applied	hot asphalt	-75.0
C-VB-29.	ASTM D41	SBS-AA (sanded top)	hot asphalt	-210.0
C-VB-30.	ASTM D41	MODIFIED SOPRA G applied in hot asphalt	hot asphalt	-270.0
C-VB-31.	none	SBS-CA2 (sanded-top-surface), ribbons 6-inch o.c.	hot asphalt	-367.5
C-VB-32.	ASTM D41	SBS-TAF (sanded top)	hot asphalt	-367.5
C-VB-33.	ASTM D41	Derbibase, torch-applied	OB500, ribbons 12" o.c.	-77.5
C-VB-34.	ASTM D41	SELECT APP POLY GR in PERMASTIC Adhesive	OB500, ribbons 12" o.c.	-165.0
C-VB-35.	ASTM D41	SELECT APP POLY GR, SELECT APP POLY FLAM GR, torch-applied	OB500, ribbons 12" o.c.	-180.0
C-VB-36.	ASTM D41	SELECT APP POLY GR, SELECT APP POLY FLAM GR, torch-applied	DUOTACK SPF HFO, ribbons 12" o.c.	-150.0

TABLE VB-3B: STRUCTURAL CONCRETE DECK 2-PLY VAPOR BARRIER FOLLOWED BY ADHERED INSULATION					
OPTION #	PRIMER	VAPOR BARRIER (3.1.4)		INSULATION ADHESIVE PER TABLE 11A (3.1.3)	MDP (PSF)
		TYPE	APPLICATION		
C-VB-37.	ASTM D41	SBS-CA4	SBS-CA4, SBS-AA or SBS-TAF (granule top)	DUOTACK	-97.5
C-VB-38.	ASTM D41	SBS-CA4	SBS-CA4 (sanded top)	DUOTACK	-120.0
C-VB-39.	none	SBS-CA2, 6-inch o.c.	SBS-CA3 or SBS-TAF (sanded- or granule-top-surface)	DUOTACK	-120.0
C-VB-40.	(Optional) ASTM D41, ELASTOCOL 500	SBS-CA3	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF (granule top)	DUOTACK	-195.0
C-VB-41.	ASTM D41	SBS-AA or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF (granule top)	DUOTACK	-195.0
C-VB-42.	ELASTOCOL Stick, ELASTOCOL Stick Zero	SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, or SBS-TAF	DUOTACK	-195.0
C-VB-43.	none	SBS-CA2, 6-inch o.c.	SBS-CA3 or SBS-TAF (sanded- or granule-top-surface)	DUOTACK *(ribbons perpendicular to vapor barrier adhesive ribbons)*	-207.5
C-VB-44.	none	SBS-CA3	SBS-CA3 (sanded top)	DUOTACK	-255.0
C-VB-45.	ASTM D41, ELASTOCOL 500	SBS-CA3	SBS-CA3 (sanded top)	DUOTACK	-270.0
C-VB-46.	ASTM D41	BP-AA	BP-AA	DUOTACK	-270.0
C-VB-47.	ASTM D41	SBS-AA	SBS-AA (sanded top)	DUOTACK	-270.0
C-VB-48.	ELASTOCOL Stick, ELASTOCOL Stick Zero	SBS-SA1	SBS-SA1 (sanded top)	DUOTACK	-315.0
C-VB-49.	ASTM D41	SBS-TAF	SBS-TAF (sanded top)	DUOTACK	-382.5
C-VB-50.	none	SBS-CA2, 6-inch o.c.	SBS-CA3 (sanded- or granule-top-surface)	DUOTACK, 6-inch o.c.	-382.5
C-VB-51.	none	SBS-CA2, 6-inch o.c.	SBS-TAF (sanded- or granule-top-surface)	DUOTACK, 6-inch o.c.	-445.0
C-VB-52.	ASTM D41	SBS-AA	SBS-AA (sanded top)	hot asphalt	-210.0
C-VB-53.	ASTM D41	BP-AA	BP-AA	hot asphalt	-270.0
C-VB-54.	none	SBS-CA2, 6-inch o.c.	SBS-CA3 or SBS-TAF (sanded-top-surface)	hot asphalt	-367.5
C-VB-55.	ASTM D41	SBS-TAF	SBS-TAF (sanded top)	hot asphalt	-367.5

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(d) Deck followed by Vapor Barrier followed by Lightweight Concrete (LWC):

TABLE VB-4: DECK FOLLOWED BY VAPOR BARRIER FOLLOWED BY LIGHTWEIGHT CONCRETE (LWC)								
OPTION #	DECK (4.1.2)	SUBSTRATE BOARD			PRIMER	VAPOR BARRIER (3.1.4)		MDP (PSF)
		TYPE	FASTENER (4.2.2) OR ADHESIVE (3.1.3)	ATTACH		BASE PLY	CAP PLY	
LWC-VB-1.	Structural concrete	None	N/A	N/A	None	SBS-CA3 (sanded-top-surface)	None	-255.0
LWC-VB-2.	Structural concrete	None	N/A	N/A	None	(Optional) SBS-CA3	SBS-CA3 (sanded- or granule-top-surface)	-255.0
LWC-VB-3.	Structural concrete	None	N/A	N/A	ASTM D41, ELASTOCOL 500	SBS-CA3 (sanded-top-surface)	None	-270.0
LWC-VB-4.	Structural concrete	None	N/A	N/A	ASTM D41, ELASTOCOL 500	(Optional) SBS-CA3	SBS-CA3 (sanded- or granule-top-surface)	-270.0
LWC-VB-5.	Structural concrete	None	N/A	N/A	ELASTOCOL STICK Zero	SBS-CA2 (one or two plies)	None	-60.0
LWC-VB-6.	Structural concrete	None	N/A	N/A	ASTM D41, ELASTOCOL 500	SBS-TAF (sanded-top-surface)	None	-367.5
LWC-VB-7.	Structural concrete	None	N/A	N/A	ASTM D41, ELASTOCOL 500	(Optional) SBS-TAF	SBS-TAF (sanded- or granule-top-surface)	-367.5
LWC-VB-8.	Structural concrete	None	N/A	N/A	None	SBS-CA2, ribbons 6-inch o.c.	SBS-CA3 (sanded- or granule-top-surface)	-382.5
LWC-VB-9.	Structural concrete	None	N/A	N/A	None	SBS-CA2 (sanded- or granule-top-surface), ribbons 6-inch o.c.	None	-445.0
LWC-VB-10.	Structural concrete	None	N/A	N/A	None	SBS-CA2, ribbons 6-inch o.c.	SBS-TAF (sanded- or granule-top-surface)	-445.0
CWF-VB-LWC-1.	Cementitious Wood Fiber	Min. 0.125-inch SOPRABOARD	SOPREMA Twin Loc-Nail (1.8-inch)	1 per 1.8 ft^2	None	SBS-CA3, SBS-AA or SBS-TAF	(Optional) SBS-CA3, SBS-AA or SBS-TAF	-45.0*
CWF-VB-LWC-2.	Cementitious Wood Fiber	Min. 0.125-inch SOPRABOARD	SOPREMA Twin Loc-Nail (1.8-inch)	1 per 1.0 ft^2	None	SBS-CA3, SBS-AA or SBS-TAF	(Optional) SBS-CA3, SBS-AA or SBS-TAF	-67.5
CWF-VB-LWC-3.	Cementitious Wood Fiber	Min. 0.125-inch SOPRABOARD	DUOTACK 365 or DUOTACK SPF HFO	ribbons 6-inch o.c.	None	SBS-CA3, SBS-AA or SBS-TAF	(Optional) SBS-CA3, SBS-AA or SBS-TAF	-272.0
GYP-VB-LWC-1.	Existing gypsum	None	N/A	N/A	None	SBS-CA2, ribbons 6-inch o.c.	SBS-CA3 (sanded- or granule-top-surface)	-382.5
GYP-VB-LWC-2.	Existing gypsum	None	N/A	N/A	None	SBS-CA2 (sanded- or granule-top-surface), ribbons 6-inch o.c.	None	-445.0
GYP-VB-LWC-3.	Existing gypsum	None	N/A	N/A	None	SBS-CA2, ribbons 6-inch o.c.	SBS-TAF (sanded- or granule-top-surface)	-445.0

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(e) Cementitious Wood Fiber Decks:

TABLE VB-5: CEMENTITIOUS WOOD FIBER DECK VAPOR BARRIER FOLLOWED BY ADHERED INSULATION							
OPTION #	SUBSTRATE BOARD			VAPOR BARRIER (3.1.4)		INSULATION ADHESIVE (3.1.3)	MDP (PSF)
	TYPE	FASTENER (4.2.2) OR ADHESIVE (3.1.3)	ATTACH	BASE PLY	CAP PLY		
CWF-VB-1.	Min. 0.125-inch SOPRABOARD	SOPREMA Twin Loc-Nail (1.8-inch)	1 per 1.8 ft^2	SBS-CA3, SBS-AA or SBS-TAF	(Optional) SBS-CA3, SBS-AA or SBS-TAF	DUOTACK 365 or DUOTACK SPF HFO per Table 9A	-45.0*
CWF-VB-2.	Min. 0.125-inch SOPRABOARD	SOPREMA Twin Loc-Nail (1.8-inch)	1 per 1.0 ft^2	SBS-CA3, SBS-AA or SBS-TAF	(Optional) SBS-CA3, SBS-AA or SBS-TAF	DUOTACK 365 or DUOTACK SPF HFO per Table 9A	-67.5
CWF-VB-3.	Min. 0.125-inch SOPRABOARD	DUOTACK 365 or DUOTACK SPF HFO	ribbons 6-inch o.c.	SBS-CA3, SBS-AA or SBS-TAF	(Optional) SBS-CA3, SBS-AA or SBS-TAF	DUOTACK 365 or DUOTACK SPF HFO per Table 10A or 12A	-272.0
CWF-VB-4.	SOPRASMART Board 180 Sanded	DUOTACK 365 or DUOTACK SPF HFO	ribbons 6-inch o.c.	(Optional) SBS-CA3, SBS-AA or SBS-TAF	(Optional) SBS-CA3, SBS-AA or SBS-TAF	DUOTACK 365 or DUOTACK SPF HFO per Table 10A or 12A	-272.5
CWF-VB-5.	SOPRASMART Board 180	DUOTACK 365 or DUOTACK SPF HFO	ribbons 6-inch o.c.	(Optional) SBS-TAF (with sanded-top-surface)	(Optional) SBS-CA3, SBS-AA or SBS-TAF	DUOTACK 365 or DUOTACK SPF HFO per Table 10A or 12A	-272.5
CWF-VB-6.	SOPRASMART Board 180	DUOTACK 365 or DUOTACK SPF HFO	ribbons 6-inch o.c.	SBS-TAF (film-top-surface)	SBS-TAF	DUOTACK 365 or DUOTACK SPF HFO per Table 10A or 12A	-272.5

(f) Existing Gypsum Decks:

TABLE VB-6: EXISTING GYPSUM DECK VAPOR BARRIER FOLLOWED BY ADHERED INSULATION				
OPTION #	VAPOR BARRIER (3.1.4)		INSULATION ADHESIVE PER TABLE 8A OR 13A (3.1.3)	MDP (PSF)
	BASE PLY	CAP PLY		
GYP-VB-1.	SBS-CA2 (sanded- or granule-top-surface), ribbons 6-inch o.c.	None	DUOTACK	-120.0
GYP-VB-2.	SBS-CA2, ribbons 6-inch o.c.	SBS-CA3 or SBS-TAF (sanded- or granule-top-surface)	DUOTACK	-120.0
GYP-VB-3.	SBS-CA2 (sanded- or granule-top-surface), ribbons 6-inch o.c.	None	DUOTACK *(ribbons perpendicular to vapor barrier adhesive ribbons)*	-207.5
GYP-VB-4.	SBS-CA2, ribbons 6-inch o.c.	SBS-CA3 or SBS-TAF (sanded- or granule-top-surface)	DUOTACK *(ribbons perpendicular to vapor barrier adhesive ribbons)*	-207.5
GYP-VB-5.	SBS-CA2, ribbons 6-inch o.c.	SBS-CA3 (sanded- or granule-top-surface)	DUOTACK, 6-inch o.c.	-382.5
GYP-VB-6.	SBS-CA2 (sanded- or granule-top-surface), ribbons 6-inch o.c.	None	DUOTACK, 6-inch o.c.	-445.0
GYP-VB-7.	SBS-CA2, ribbons 6-inch o.c.	SBS-TAF (sanded- or granule-top-surface)	DUOTACK, 6-inch o.c.	-445.0

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4.3.2 Roof Assemblies:

TABLE	DECK	APPLICATION	TYPE	DESCRIPTION	PAGE
8A	Wood	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	26
8B	Wood	New, Reroof (Tear-Off) or Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	28
8C	Wood	New or Reroof (Tear-Off)	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	33
8D	Wood	New, Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	35
8E	Wood	New, Reroof (Tear-Off) or Recover	D-2	Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	41
8F	Wood	New, Reroof (Tear-Off) or Recover	E-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	43
8G	Wood	New or Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	44
9A	Steel	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	44
9B	Steel or Structural Concrete	New, Reroof (Tear-Off) or Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	53
9C	Steel or Structural Concrete	New, Reroof (Tear-Off) or Recover	B-2	Mechanically Thermal Barrier, Bonded Insulation, Bonded Roof Cover	65
9D	Steel or Structural Concrete	New, Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	67
9E	Steel	New, Reroof (Tear-Off) or Recover	D-2	Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	74
9F	Steel	New, Reroof (Tear-Off) or Recover	D-3	Insulated, Bonded & Mechanically Attached Base Membrane, Bonded Roof Cover	76
10A	Structural Concrete	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	77
10B	Structural Concrete	New, Reroof (Tear-Off) or Recover	D-2	Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	90
10C	Structural Concrete	New or Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	91
11A	Deck with Lightweight Concrete	New, Reroof (Tear-Off)	A-1	LWC to Deck, Bonded Insulation, Bonded Roof Cover	92
11B	Deck with Lightweight Concrete	New, Reroof (Tear-Off)	A-2	LWC to Deck, Bonded Vapor Barrier, Bonded Insulation, Bonded Roof Cover	97
11C	Deck with Lightweight Concrete	New or Reroof (Tear-Off)	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	99
11D	Deck with Lightweight Concrete	New, Reroof (Tear-Off)	E-2	LWC to Deck, Mechanically Attached Base Sheet, Bonded Roof Cover	100
11E	Deck with Lightweight Concrete	New, Reroof (Tear-Off)	E-2	Thermal Barrier to Deck, Vapor Barrier, LWC to Vapor Barrier, Mechanically Attached Base Sheet, Bonded Roof Cover	102
11F	Deck with Lightweight Concrete	New, Reroof (Tear-Off)	F	LWC to Deck, Bonded Roof Cover	103
11G	Deck with Lightweight Concrete	New, Reroof (Tear-Off)	F	Thermal Barrier to Deck, Vapor Barrier to Barrier, LWC to Vapor Barrier, Bonded Roof Cover	104
11H	Deck with Lightweight Concrete	New, Reroof (Tear-Off)	F	LWC to Deck, Bonded Roof Cover	105
12A	Cementitious Wood Fiber	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	106
12B	Cementitious Wood Fiber	New, Reroof (Tear-Off)	A-3	Bonded Thermal Barrier, Bonded Vapor Barrier, Bonded Insulation, Bonded Roof Cover	110
12C	Cementitious Wood Fiber	Reroof (Tear-Off)	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	113
12D	Cementitious Wood Fiber	Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	115
12E	Cementitious Wood Fiber	Reroof (Tear-Off) or Recover	D-2	Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	115
12F	Cementitious Wood Fiber	Reroof (Tear-Off) or Recover	E-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	116
13A	Existing Gypsum	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	116
13B	Existing Gypsum	Reroof (Tear-Off)	A-2	Vapor Barrier to Deck, Bonded Insulation, Bonded Roof Cover	121
13C	Existing Gypsum	Reroof (Tear-Off)	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	124
13D	Existing Gypsum	Reroof (Tear-Off)	C-1	Mechanically Attached Insulation, Bonded Roof Cover	125
13E	Existing Gypsum	Reroof (Tear-Off)	D-2	Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	126
13F	Existing Gypsum	Reroof (Tear-Off)	E-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	126
13G	Existing Gypsum	Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	126
14A	Various	Recover	A-1	Bonded Insulation, Bonded Roof Cover	127
14B	Existing LWIC or Gypsum	Reroof (Tear-Off) or Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	135
14C	Existing LWIC or Gypsum	Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	137
14D	Existing LWIC	Reroof (Tear-Off)	E-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	138
14E	Various	Recover	F	Non-Insulated, Bonded Roof Cover	139

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TABLE 8A: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-1 FOR THERMAL BARRIER / VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		PRIMER	ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)		BASE PLY	PLY	CAP PLY	
COLD APPLIED BASE PLY:										
W-1.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK 365, 12-inch o.c.	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 12-inch o.c.	None	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-52.5
W-2.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK 365, 6-inch o.c.	Min. 0.25-inch SOPRABOARD	DUOTACK 365, 6-inch o.c.	None	SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-82.5
W-3.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK 365, 6-inch o.c.	Min. 0.25-inch SOPRABOARD	DUOTACK 365, 6-inch o.c.	None	SBS-CA3	None	SBS-CA3	-97.5
W-4.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK 365, 6-inch o.c.	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 6-inch o.c.	None	SBS-CA4	None	SBS-CA3, SBS-CA4	-105.0
W-5.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, ribbons 6-inch o.c.	None	N/A	None	SBS-CA4	None	SBS-CA3, SBS-CA4	-105.0
W-6.	APA rated, 19/32 CAT, 0.578 in., Exposure 1 OSB or min. 15/32" APA rated plywood	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	None	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-52.5
HOT OR TORCH APPLIED BASE PLY:										
W-7.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK 365, 12-inch o.c.	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 12-inch o.c.	None	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-52.5
W-8.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK 365, 6-inch o.c.	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 6-inch o.c.	None	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA, SBS-TAF	-105.0
W-9.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, ribbons 6-inch o.c.	None	N/A	None	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA, SBS-TAF	-105.0
W-10.	APA rated, 19/32 CAT, 0.578 in., Exposure 1 OSB or min. 15/32" APA rated plywood	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	None	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA, SBS-TAF	-52.5

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TABLE 8A: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-1 FOR THERMAL BARRIER / VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		PRIMER	ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)		BASE PLY	PLY	CAP PLY	
W-11.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK 365, 12-inch o.c.	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, 12-inch o.c.	None	APP-TA	(Optional) APP-TA	APP-TA	-52.5
W-12.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK 365, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK 365, 6-inch o.c.	None	APP-TA	(Optional) APP-TA	APP-TA	-105.0
W-13.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	DUOTACK 365, ribbons 6-inch o.c.	None	N/A	None	APP-TA	(Optional) APP-TA	APP-TA	-105.0
SELF-ADHERING BASE PLY:										
W-14.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK 365, 12-inch o.c.	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	DUOTACK 365, 12-inch o.c.	None	SBS-SA1	(Optional) APP-TA	APP-TA	-52.5
W-15.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK 365, 6-inch o.c.	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	DUOTACK 365, 6-inch o.c.	None	SBS-SA1	(Optional) APP-TA	APP-TA	-105.0
W-16.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	DUOTACK 365, ribbons 6-inch o.c.	None	N/A	None	SBS-SA1	(Optional) APP-TA	APP-TA	-105.0
W-17.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	DUOTACK 365 or OB500, 12-inch o.c.	(Optional) Additional layers(s) base insulation	DUOTACK 365 or OB500, 12-inch o.c.	(Optional) RESISTO EXTERIOR PRIMER	SBS-SA2	(Optional) APP-TA	APP-TA	-52.5
W-18.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	DUOTACK 365 or OB500, 6-inch o.c.	(Optional) Additional layers(s) base insulation	DUOTACK 365 or OB500, 6-inch o.c.	(Optional) RESISTO EXTERIOR PRIMER	SBS-SA2	(Optional) APP-TA	APP-TA	-105.0
W-19.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	DUOTACK 365, 12" o.c.	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 12" o.c.	ELASTOCOL Stick Zero	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-52.5

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TABLE 8A: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-1 FOR THERMAL BARRIER / VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		PRIMER	ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)		BASE PLY	PLY	CAP PLY	
W-20.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	DUOTACK 365, 6" o.c.	Min. 0.25-in. SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 6" o.c.	ELASTOCOL Stick Zero	SBS-SA1	(Optional) SBS-AA or SBS-TAF	SBS-AA SBS-TAF	-105.0
W-21.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, ribbons 6" o.c.	None	N/A	ELASTOCOL Stick Zero	SBS-SA1	(Optional) SBS-AA or SBS-TAF	SBS-AA SBS-TAF	-105.0
W-22.	APA rated, 19/32 CAT, 0.578 in., Exposure 1 OSB or min. 15/32" APA rated plywood	Min. 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-in. DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	ELASTOCOL Stick Zero	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-52.5

TABLE 8B: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
COLD APPLIED BASE PLY:										
W-23.	Min. 19/32-inch 4-ply plywood	Min. 1.5-inch SOPRA-ISO s	OMG #14 Roofgrip or Perlok-O #14 Screw with OMG AccuTrac Flat Bottom or Perlok AccuTrac Flat Bottom Plate, SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.45 ft^2	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	hot asphalt	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
W-24.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft^2	Min. 0.125-inch SOPRABOARD, Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
W-25.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft^2	Min. 0.125-inch SOPRABOARD, Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
W-26.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft^2	SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-45.0*

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TABLE 8B: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Base Insulation Layer			Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)
		Type	Fastener (3.1.1, 4.2.2)	Attach (3.1.2E)	Type	Attach (3.1.3)	Base	Ply	Cap	
W-27.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners, SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	Min. 0.25-inch SOPRABOARD	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-67.5
W-28.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners, SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA4	-67.5
W-29.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners, SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-67.5
W-30.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners, SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-67.5
W-31.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch SOPRA-ISO s, SOPRA-ISO+ ror Ultra-Max	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	-45.0*
W-32.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch SOPRA-ISO s, SOPRA-ISO+ ror Ultra-Max	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	Min. Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
W-33.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch SOPRA-ISO s, SOPRA-ISO+ ror Ultra-Max	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners, SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-67.5
W-34.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch SOPRA-ISO s, SOPRA-ISO+ ror Ultra-Max	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners, SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-67.5
W-35.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	Trufast RA	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	-45.0*

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TABLE 8B: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
W-36.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	TRA	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
HOT OR TORCH APPLIED BASE PLY:										
W-37.	Min. 19/32-inch 4-ply plywood	Min. 1.5-inch SOPRA-ISO s	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate or OMG #14 Roofgrip with OMG AccuTrac Flat Bottom or Perlok AccuTrac Flat Bottom Plate	1 per 1.45 ft²	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-45.0*
W-38.	Min. 19/32-inch APA rated CDX plywood	Min. 2-inch SOPRA-ISO s	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate or OMG #14 Roofgrip with OMG AccuTrac Flat Bottom or Perlok AccuTrac Flat Bottom Plate	1 per 1.45 ft²	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-60.0*
W-39.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners or SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	Min. 0.75-inch JM Fesco Board	hot asphalt	BP-AA	BP-AA	SBS-CA4	-67.5
W-40.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	Min. 0.125-inch SOPRABOARD, Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-45.0*
W-41.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	SOPRASMART Board 180 Sanded	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-45.0*
W-42.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners or SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-67.5
W-43.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners or SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-67.5

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TABLE 8B: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
W-44.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch SOPRA-ISO s, SOPRA-ISO+ r or Ultra-Max	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-45.0*
W-45.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch SOPRA-ISO s, SOPRA-ISO+ r or Ultra-Max	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners, SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-67.5
W-46.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	Trufast RA	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-45.0*
W-47.	Min. 19/32-inch APA rated OSB or CDX plywood	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener	1 per 2.7 ft²	Min. 0.125-inch SOPRABOARD	DUOTACK	APP-TA	(Optional) APP-TA	APP-TA	-45.0*
W-48.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fastener or SOPREMA #14 MP Fastener installed 180° into the holes of the SOPREMA Versa-Fast Plate	1 per 1.8 ft²	Min. 0.25-inch SOPRABOARD	DUOTACK	APP-TA	(Optional) APP-TA	APP-TA	-67.5
SELF-ADHERING BASE PLY:										
W-49.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	Min. 0.125-inch SOPRABOARD primed with ELASTOCOL Stick Zero or Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero or Min. 7/16-inch DEXcell Cement Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-45.0*
W-50.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL STICK Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-TAF	-45.0*

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TABLE 8B: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
W-51.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	Min. 0.25-inch SOPRABOARD primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-67.5
W-52.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners, SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL STICK Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-TAF	-67.5
W-53.	Min. 19/32-inch APA rated OSB or CDX plywood	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 0.4375-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	DUOTACK	SBS-SA1	(Optional) APP-TA	APP-TA	-45.0*
W-54.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fastener or SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 0.4375-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero	DUOTACK	SBS-SA1	(Optional) APP-TA	APP-TA	-67.5
W-55.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-67.5
W-56.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-45.0*
W-57.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-67.5

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TABLE 8B: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
W-58.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plate.	1 per 2.7 ft^2	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	Trufast RA	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-45.0*

TABLE 8C: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	ANCHOR SHEET		VAPOR BARRIER (3.1.4)	BASE INSULATION LAYER(S)		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (3.1.1, 4.2.2)		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
COLD APPLIED BASE PLY:												
W-59.	Min. 19/32-inch plywood or nominal 1" T&G wood plank	One or two layers MODIFIED SOPRA G	12 ga. annular ring shank nails with min. 3/8" diameter head through min. 32 ga., 1-5/8" diameter "tin caps" 6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at three equally spaced rows in the center of the sheet	(Optional) BP-AA, SBS-AA (sand-surfaced) or SBS-TAF (sand-surfaced)	(Optional) Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min.0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	SBS-CA4, SBS-AA, SBS-TAF	-60.0
W-60.	Min. 19/32-inch plywood or nominal 1" T&G wood plank	One or two layers MODIFIED SOPRA G	12 ga. annular ring shank nails with min. 3/8" diameter head through min. 32 ga., 1-5/8" diameter "tin caps" 6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at three equally spaced rows in the center of the sheet	(Optional) BP-AA, SBS-AA (sand-surfaced) or SBS-TAF (sand-surfaced)	(Optional) Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min.0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-CA3	None	SBS-CA3	-60.0
W-61.	Min. 19/32-inch plywood or nominal 1" T&G wood plank	One or two layers MODIFIED SOPRA G	12 ga. annular ring shank nails with min. 3/8" diameter head through min. 32 ga., 1-5/8" diameter "tin caps" 6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at three equally spaced rows in the center of the sheet	(Optional) BP-AA, SBS-AA (sand-surfaced) or SBS-TAF (sand-surfaced)	(Optional) Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	DUOTACK in ribbons run atop anchor sheet fastener rows	Min.0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK ribbons spaced 6-inch o.c. or, if no base insulation, run atop anchor sheet fastener rows	SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	SBS-CA4, SBS-AA, SBS-TAF	-45.0
W-62.	Min. 19/32-inch plywood or nominal 1" T&G wood plank	One or two layers MODIFIED SOPRA G	12 ga. annular ring shank nails with min. 3/8" diameter head through min. 32 ga., 1-5/8" diameter "tin caps" 6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at three equally spaced rows in the center of the sheet	(Optional) BP-AA, SBS-AA (sand-surfaced) or SBS-TAF (sand-surfaced)	(Optional) Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	DUOTACK in ribbons run atop anchor sheet fastener rows	Min.0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK ribbons spaced 6-inch o.c. or, if no base insulation, run atop anchor sheet fastener rows	SBS-CA3	None	SBS-CA3	-45.0

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TABLE 8C: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	ANCHOR SHEET		VAPOR BARRIER (3.1.4)	BASE INSULATION LAYER(S)		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (3.1.1, 4.2.2)		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
W-63.	Min. 15/32-inch APA rated plywood or nominal 1" T&G wood plank	One or two layers SOPRABASE S	12 ga. annular ring shank nails with min. 3/8" diameter head through min. 32 ga., 1-5/8" diameter "tin caps" 6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at four (4) equally spaced rows in the center of the sheet	(Optional) BP-AA, SBS-AA (sand-surfaced) or SBS-TAF (sand-surfaced)	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK 365, 6-inch o.c.	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 6-inch o.c.	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-75.0
HOT OR TORCH APPLIED BASE PLY:												
W-64.	Min. 19/32-inch plywood or nominal 1" T&G wood plank	One or two layers MODIFIED SOPRA G, SOPRABASE S	12 ga. annular ring shank nails with min. 3/8" diameter head through min. 32 ga., 1-5/8" diameter "tin caps" 6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at three equally spaced rows in the center of the sheet	(Optional) BP-AA SBS-AA or SBS-TAF (sand-surfaced)	(Optional) Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min.0.25-inch DensDeck primed with ELASTOCOL 500, ELASTOCOL STICK or SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-AA, SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	SBS-CA4, SBS-AA, SBS-TAF	-60.0
W-65.	Min. 19/32-inch plywood or nominal 1" T&G wood plank	One or two layers MODIFIED SOPRA G, SOPRABASE S	12 ga. annular ring shank nails with min. 3/8" diameter head through min. 32 ga., 1-5/8" diameter "tin caps" 6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at three equally spaced rows in the center of the sheet	(Optional) BP-AA SBS-AA or SBS-TAF (sand-surfaced)	(Optional) Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	DUOTACK in ribbons run atop anchor sheet fastener rows	Min.0.25-inch DensDeck primed with ELASTOCOL 500, ELASTOCOL STICK or SECUROCK Gypsum-Fiber Roof Board	DUOTACK ribbons spaced 6-inch o.c. or, if no base insulation, run atop anchor sheet fastener rows	SBS-AA, SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	SBS-CA4, SBS-AA, SBS-TAF	-45.0
W-66.	Min. 15/32-inch APA rated plywood or nominal 1" T&G wood plank	One or two layers SOPRABASE S	12 ga. annular ring shank nails with min. 3/8" diameter head through min. 32 ga., 1-5/8" diameter "tin caps" 6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at four (4) equally spaced rows in the center of the sheet	(Optional) BP-AA SBS-AA or SBS-TAF (sand-surfaced)	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK 365, 6-inch o.c.	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 6-inch o.c.	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-75.0

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TABLE 8C: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	ANCHOR SHEET		VAPOR BARRIER (3.1.4)	BASE INSULATION LAYER(S)		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (3.1.1, 4.2.2)		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SELF-ADHERING BASE PLY:												
W-67.	Min. 15/32-inch APA rated plywood or nominal 1" T&G wood plank	One or two layers SOPRABASE S	12 ga. annular ring shank nails with min. 3/8" diameter head through min. 32 ga., 1-5/8" diameter "tin caps" 6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at four (4) equally spaced rows in the center of the sheet	(Optional) BP-AA, SBS-AA (sand-surfaced) or SBS-TAF (sand-surfaced)	Min. 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	DUOTACK 365, 6-inch o.c.	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick Zero.	DUOTACK 365, 6-inch o.c.	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-75.0

TABLE 8D: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	SLIP SHEET	BASE INSULATION LAYER(S) (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
				TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	BASE	PLY	CAP	
COLD APPLIED BASE PLY:										
W-68.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener	1 per 4.0 ft^2	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-30.0*
W-69.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	SOPREMA #14 Fastener with SOPREMA 3 in. Insulation Plate, Dekfast PLT-H-2-7/8 or Perlok Steel Plate	1 per 2.3 ft^2	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-30.0*
W-70.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.25-inch SOPRABOARD	OMG #14 Roofgrip with AccuTrac Flat Bottom	1 per 3.2 ft^2	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-30.0*
W-71.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener	1 per 4.0 ft^2	SBS-CA3	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-37.5*
W-72.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	OMG #14 Roofgrip with AccuTrac Flat Bottom, SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 2.3 ft^2	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-37.5*

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TABLE 8D: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	SLIP SHEET	BASE INSULATION LAYER(S) (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
				TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	BASE	PLY	CAP	
W-73.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OMG #14 Roofgrip with OMG AccuTrac Flat Bottom or Perlok AccuTrac Flat Bottom Plate, SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft^2	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
W-74.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.6 ft^2	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-52.5
W-75.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft^2	SBS-CA3	None	SBS-CA3	-52.5
W-76.	Min. 15/32-inch APA rated CDX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA #12 DP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft^2	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-67.5
W-77.	Min. 15/32-inch APA rated BCX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners, SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft^2	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-67.5
W-78.	Min. 19/32-inch APA rated CDX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA #14 MP Fastener installed into the center hole of the Versa-Fast Plate	1 per 1.8 ft^2	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-67.5
HOT OR TORCH APPLIED BASE PLY:										
W-79.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener	1 per 4.0 ft^2	SBS-AA, SBS-TAF	(Optional) SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-30.0*
W-80.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 Fastener with SOPREMA 3 in. Insulation Plate or Dekfast PLT-H-2-7/8	1 per 2.3 ft^2	BP-AA, SBS-AA, SBS-AA2 or SBS-TAF	(Optional) SBS-AA, SBS-AA2 SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-AA2 SBS-CA4 or SBS-TAF	-30.0*

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TABLE 8D: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	SLIP SHEET	BASE INSULATION LAYER(S) (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
				TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	BASE	PLY	CAP	
W-81.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener	1 per 4.0 ft^2	SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-37.5*
W-82.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OMG #14 Roofgrip with AccuTrac Flat Bottom, SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 2.3 ft^2	BP-AA, SBS-AA, SBS-AA2 or SBS-TAF	(Optional) SBS-AA, SBS-AA2 SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-AA2 SBS-CA4 or SBS-TAF	-37.5*
W-83.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OMG #14 Roofgrip with AccuTrac Flat Bottom or SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft^2	BP-AA, SBS-AA, SBS-AA2 or SBS-TAF	(Optional) SBS-AA, SBS-AA2 SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-AA2 SBS-CA4 or SBS-TAF	-45.0*
W-84.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck primed with ELASTOCOL 500 or ELASTOCOL STICK or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.6 ft^2	SBS-AA or SBS-TAF	(Optional) SBS-AA, SBS-TAF or SBS-SA1	SBS-AA, SBS-TAF	-52.5
W-85.	Min. 19/32-inch plywood; 2 ft span	(Optional) One or more layers Sopra-G or MODIFIED SOPRA-G, loose laid	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	SOPREMA #15 Fastener with SOPREMA 3 in. Round Insulation Plate	1 per 1.3 ft^2	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	-75.0
W-86.	Min. 15/32-inch APA rated CDX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA #12 DP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft^2	SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-67.5
W-87.	Min. 15/32-inch APA rated BCX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners, SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft^2	SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-67.5
W-88.	Min. 19/32-inch APA rated CDX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board.	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA #14 MP Fastener installed into the center hole of the Versa-Fast Plate	1 per 1.8 ft^2	SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-67.5

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TABLE 8D: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	SLIP SHEET	BASE INSULATION LAYER(S) (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
				TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	BASE	PLY	CAP	
W-89.	Min. 19/32-inch plywood	None	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	SOPRMEA #14 Fastener with SOPREMA 3" Metal Insulation Plate or Dekfast PLT-H-2-7/8 or Perlok Steel Plate	1 per 2.3 ft^2	APP-TA	(Optional) APP-TA	APP-TA	-30.0*
W-90.	Min. 19/32-inch plywood	None	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	SOPREMA #14 HD Fastener with SOPREMA 3" Metal Insulation Plate, Dekfast PLT-H-2-7/8 or Perlok Steel Plate	1 per 2.3 ft^2	APP-TA	(Optional) APP-TA	APP-TA	-37.5*
W-91.	Min. 19/32-inch plywood	None	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	SOPREMA #14 HD Fastener with SOPREMA 3" Metal Insulation Plate, Dekfast PLT-H-2-7/8 or Perlok Steel Plate	1 per 2.0 ft^2	APP-TA	(Optional) APP-TA	APP-TA	-45.0*
W-92.	Min. 15/32-inch APA rated CDX plywood	None	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	SOPREMA #12 DP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft^2 (10 per 4x4 ft board)	APP-TA	(Optional) APP-TA	APP-TA	-67.5
W-93.	Min. 15/32-inch APA rated BCX plywood	None	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fastener or SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft^2	APP-TA	(Optional) APP-TA	APP-TA	-67.5
W-94.	Min. 19/32-inch APA rated CDX plywood	None	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA #14 MP Fastener installed into the center hole of the Versa-Fast Plate	1 per 1.8 ft^2	APP-TA	(Optional) APP-TA	APP-TA	-67.5
SELF-ADHERING BASE PLY:										
W-95.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing	None	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener	1 per 4.0 ft^2	SBS-SA1	(Optional) APP-TA	APP-TA	-30.0*
W-96.	Min. 19/32-inch plywood	None	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL STICK Zero.	SOPREMA #14 HD Fastener with SOPREMA 3" Metal Insulation Plate, Dekfast PLT-H-2-7/8 or Perlok Steel Plate	1 per 2.3 ft^2	SBS-SA1	(Optional) APP-TA	APP-TA	-30.0*
W-97.	Min. 19/32-inch plywood	None	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA Versa-Fast Fastener	1 per 4.0 ft^2	SBS-SA1	(Optional) APP-TA	APP-TA	-37.5*

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TABLE 8D: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	SLIP SHEET	BASE INSULATION LAYER(S) (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
				TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	BASE	PLY	CAP	
W-98.	Min. 19/32-inch plywood	None	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD primed with ELASTOCOL STICK Zero or 0.25-inch DensDeck Prime	SOPREMA #14 HD Fastener with SOPREMA 3" Metal Insulation Plate, Dekfast PLT-H-2-7/8 or Perlok Steel Plate	1 per 2.3 ft^2	SBS-SA1	(Optional) APP-TA	APP-TA	-37.5*
W-99.	Min. 19/32-inch plywood	None	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD or 0.25-inch DensDeck Prime	SOPREMA #14 HD Fastener with SOPREMA 3" Metal Insulation Plate, Dekfast PLT-H-2-7/8 or Perlok Steel Plate	1 per 2.0 ft^2	SBS-SA1	(Optional) APP-TA	APP-TA	-45.0*
W-100.	Min. 15/32-inch APA rated CDX plywood	None	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	SOPREMA #12 DP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft^2 (10 per 4x4 ft board)	SBS-SA1	(Optional) APP-TA	APP-TA	-67.5
W-101.	Min. 15/32-inch APA rated BCX plywood	None	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	SOPREMA Versa-Fast Plate with minimum two (2) Versa-Fast Fastener or SOPREMA #14 MP Fastener installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft^2	SBS-SA1	(Optional) APP-TA	APP-TA	-67.5
W-102.	Min. 19/32-inch APA rated CDX plywood	None	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	SOPREMA Versa-Fast Plate with minimum one (1) SOPREMA #14 MP Fastener installed into the center hole of the Versa-Fast Plate	1 per 1.8 ft^2	SBS-SA1	(Optional) APP-TA	APP-TA	-67.5
W-103.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener	1 per 4.0 ft^2	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4 or SBS-TAF	-30.0*
W-104.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL 500, ELASTOCOL Stick or ELASTOCOL Stick Zero	Dekfast #14 with Hex Plate or 3" Round Insulation Plate or SOPREMA #14 Fastener with SOPREMA 3 in. Insulation Plate	1 per 2.3 ft^2	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4 or SBS-TAF	-30.0*

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TABLE 8D: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Slip Sheet	Base Insulation Layer(s) (3.1.2)	Top Insulation Layer			Roof Cover (3.1.4)			MDP (psf)
				Type	Fastener (3.1.1, 4.2.2)	Attach (3.1.2E)	Base	Ply	Cap	
W-105.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast Versa-Fast Plate with minimum one (1) Versa-Fast Fastener	1 per 4.0 ft^2	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4 or SBS-TAF	-37.5*
W-106.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD primed with ELASTOCOL 500, ELASTOCOL Stick or ELASTOCOL Stick Zero or 0.25-inch DensDeck Prime	OMG #14 Heavy Duty with AccuTrac Flat Bottom, Trufast #14 HD or SOPREMA #14 MP Fastener with Trufast 3" Metal Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.3 ft2	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4 or SBS-TAF	-37.5*
W-107.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD or 0.25-inch DensDeck Prime	OMG #14 Roofgrip with Flat Bottom Plate (Accutrac), Trufast #14 HD or SOPREMA #14 MP Fastener with Trufast 3" Metal Insulation Plate or SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft2	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4 or SBS-TAF	-45.0*
W-108.	Min. 15/32-inch APA rated CDX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPREMA #12 DP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft^2	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-67.5
W-109.	Min. 15/32-inch APA rated BCX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or SOPREMA #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plate	1 per 1.8 ft^2	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-67.5
W-110.	Min. 19/32-inch APA rated CDX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast Versa-Fast Plate with minimum one (1) SOPREMA #14 MP Fastener or Trufast #14 HD installed into the center hole of the Versa-Fast Plate	1 per 1.8 ft^2	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-67.5
W-111.	Min. 15/32-inch APA rated plywood at max. 24-inch spans	None	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r (Optional) Top surface shall be primed with RESISTO EXTERIOR PRIMER	SOPREMA #12 DP Fasteners with SOPREMA 3" Metal Insulation Plates	1 per 1.6 ft^2	SBS-SA2	(Optional) APP-TA	APP-TA	-67.5

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TABLE 8E: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	SLIP SHEET	BASE INSULATION LAYER(S) (3.1.2)	BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
				TYPE (3.1.4.B)	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	PLY	CAP	
WITH FASTENER AND STRESS PLATE:									
W-112.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SELECT SBS POLY FLAM	SOPREMA #14 MP Fastener with SOPREMA 2" Seam Plate	18-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP 2.2, torch-applied	SBS-CA3, SBS-CA4	-37.5*
W-113.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SELECT SBS POLY FLAM	SOPREMA #14 MP Fastener with SOPREMA 2" Seam Plate	18-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-37.5*
W-114.	Min. 15/32-inch APA rated CDX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SELECT SBS POLY FLAM	SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	12-inch o.c. within the 4-inch wide, heat-welded side laps	ELASTOPHENE SP 2.2, torch-applied	SBS-CA3, SBS-CA4	-45.0*
W-115.	Min. 15/32-inch APA rated CDX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SELECT SBS POLY FLAM	SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	12-inch o.c. within the 4-inch wide, heat-welded side laps	(Optional) SBS-TAF	SBS-TAF	-45.0*
W-116.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) Any combination, prelim attach	SOPRASMART Board 180 Sanded, SOPRASMART ISO HD 180 Sanded, SOPRASMART XP HD 180 Sanded or SOPRASMART XP ISO 180 Sanded	SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	12-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	None	SBS-CA3 or SBS-CA4	-45.0
W-117.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) Any combination, prelim attach	SOPRASMART Board 180, SOPRASMART ISO HD 180, SOPRASMART XP HD 180, SOPRASMART XP ISO 180	SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	12-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	ELASTOPHENE SP 2.2, torch-applied	SBS-CA3 or SBS-CA4	-45.0
W-118.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) Any combination, prelim attach	SOPRASMART Board 180, SOPRASMART ISO HD 180, SOPRASMART XP HD 180, SOPRASMART XP ISO 180	SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	12-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	(Optional) SBS-TAF	SBS-TAF	-45.0
W-119.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) Any combination, prelim attach	SOPRASMART Board 180 Sanded, SOPRASMART ISO HD 180 Sanded, SOPRASMART XP HD 180 Sanded or SOPRASMART XP ISO 180 Sanded. Top surface primed with ELASTOCOL STICK Zero	SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	12-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	(Optional) SBS-SA1	SBS-TAF	-45.0

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TABLE 8E: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	SLIP SHEET	BASE INSULATION LAYER(S) (3.1.2)	BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
				TYPE (3.1.4.B)	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	PLY	CAP	
W-120.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SELECT SBS POLY FLAM	SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	12-inch o.c. within the 4-inch wide, heat-welded side laps	ELASTOPHENE SP 2.2, torch-applied	SBS-CA3, SBS-CA4	-52.5
W-121.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SELECT SBS POLY FLAM	SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	12-inch o.c. within the 4-inch wide, heat-welded side laps	(Optional) SBS-TAF	SBS-TAF	-52.5
W-122.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SELECT SBS POLY FLAM	SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	6-inch o.c. within the 4-inch wide, heat-welded side laps	ELASTOPHENE SP 2.2, torch-applied	SBS-CA3, SBS-CA4	-82.5
W-123.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SELECT SBS POLY FLAM	SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	6-inch o.c. within the 4-inch wide, heat-welded side laps	(Optional) SBS-TAF	SBS-TAF	-82.5
W-124.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) Any combination, prelim attach	SOPRASMART Board 180 Sanded, SOPRASMART ISO HD 180 Sanded, SOPRASMART XP HD 180 Sanded or SOPRASMART XP ISO 180 Sanded	SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	6-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	None	SBS-CA3 or SBS-CA4	-52.5
W-125.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) Any combination, prelim attach	SOPRASMART Board 180, SOPRASMART ISO HD 180, SOPRASMART XP HD 180, SOPRASMART XP ISO 180	SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	6-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	ELASTOPHENE SP 2.2, torch-applied	SBS-CA3, SBS-CA4	-52.5
W-126.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) Any combination, prelim attach	SOPRASMART Board 180, SOPRASMART ISO HD 180, SOPRASMART XP HD 180, SOPRASMART XP ISO 180	SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	6-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	(Optional) SBS-TAF	SBS-TAF	-52.5
W-127.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) Any combination, prelim attach	SOPRASMART Board 180 Sanded, SOPRASMART ISO HD 180 Sanded, SOPRASMART XP HD 180 Sanded or SOPRASMART XP ISO 180 Sanded. Top surface primed with ELASTOCOL STICK Zero	SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	6-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	(Optional) SBS-SA1	SBS-TAF	-52.5

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TABLE 8E: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	SLIP SHEET	BASE INSULATION LAYER(S) (3.1.2)	BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
				TYPE (3.1.4.B)	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	PLY	CAP	
W-128.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	None	One or more layers, min. 1-inch, any combination, loose-laid	MODIFIED SOPRA G	Trufast #12 DP with Trufast 3" Metal Insulation Plates	8-inch o.c. at the 4-inch laps and 8-inch o.c. at three (3), equally spaced center rows	(Optional) APP-TA	APP-TA	-120.0

TABLE 8F: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	SLIP SHEET	BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
			BASE (3.1.4.B)	FASTENER (3.1.1, 4.2.2)	SPACING	PLY	CAP	
W-129.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SELECT SBS POLY FLAM	SOPREMA #14 MP Fastener with SOPREMA 2" Seam Plate	18-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP 2.2, torch-applied	SBS-CA3, SBS-CA4	-37.5*
W-130.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SELECT SBS POLY FLAM	SOPREMA #14 MP Fastener with SOPREMA 2" Seam Plate	18-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-37.5*
W-131.	Min. 15/32-inch APA rated CDX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SELECT SBS POLY FLAM	SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	12-inch o.c. within the 4-inch wide, heat-welded side laps	ELASTOPHENE SP 2.2, torch-applied	SBS-CA3, SBS-CA4	-45.0*
W-132.	Min. 15/32-inch APA rated CDX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SELECT SBS POLY FLAM	SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	12-inch o.c. within the 4-inch wide, heat-welded side laps	(Optional) SBS-TAF	SBS-TAF	-45.0*
W-133.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SELECT SBS POLY FLAM	SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	12-inch o.c. within the 4-inch wide, heat-welded side laps	ELASTOPHENE SP 2.2, torch-applied	SBS-CA3, SBS-CA4	-52.5
W-134.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SELECT SBS POLY FLAM	SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	12-inch o.c. within the 4-inch wide, heat-welded side laps	(Optional) SBS-TAF	SBS-TAF	-52.5
W-135.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SELECT SBS POLY FLAM	SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	6-inch o.c. within the 4-inch wide, heat-welded side laps	ELASTOPHENE SP 2.2, torch-applied	SBS-CA3, SBS-CA4	-82.5
W-136.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SELECT SBS POLY FLAM	SOPREMA #14 MP Fastener with Soprafix 2-inch Seam Plate	6-inch o.c. within the 4-inch wide, heat-welded side laps	(Optional) SBS-TAF	SBS-TAF	-82.5
W-137.	Min. 19/32-inch APA rated CDX plywood	None	One or two layers MODIFIED SOPRA G	12 ga. annular ring shank nails with min. 3/8" diameter head through min. 32 ga., 1-5/8" diameter "tin caps"	6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at three (3) equally spaced rows in the center of the sheet	BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-60.0
W-138.	Min. 19/32-inch 4-ply plywood or OSB	None	Derbibase	Senco Rayon Tape and N12FABN staples	Staples spaced max. 5-inch o.c. in tape rows located in the min. 2-inch wide lap and in three, equally spaced rows between the laps	APP-TA	APP-TA	-45.0*

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TABLE 8F: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	SLIP SHEET	BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
			BASE (3.1.4.B)	FASTENER (3.1.1, 4.2.2)	SPACING	PLY	CAP	
W-139.	Min. 19/32-inch 4-ply plywood or OSB	None	Derbibase	SOPREMA #12 or #14 Fastener with Dekfast PLT-H-2-7/8 or OMG #12 Standard Roofgrip, OMG Heavy Duty with OMG 3 in. Round Metal Plate or SOPREMA #12 DP or #14 MP with SOPREMA 3" Metal Insulation Plate	9-inch o.c. in the min. 2-inch wide lap and 9-inch o.c. in three, equally spaced, staggered center rows	APP-TA	APP-TA	-52.5

TABLE 8G: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED BASE MEMBRANE, BONDED ROOF COVER
NOT FOR USE IN HVHZ JURISDICTIONS

SYSTEM NO.	DECK (4.1.2)	PRIMER	ROOF COVER (3.1.4)				MDP (PSF)
			BASE	PRIMER	PLY	CAP	
W-140.	Min. 19/32-inch plywood	None	SBS-CA2, 12-inch o.c.	None	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-97.5
W-141.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB or min. 15/32-inch APA rated plywood	(Optional) RESISTO EXTERIOR PRIMER	SBS-SA2	None	(Optional) APP-TA	APP-TA	-97.5
W-142.	Nominal 1" T&G wood plank	(Optional) RESISTO EXTERIOR PRIMER	SBS-SA2	None	(Optional) APP-TA	APP-TA	-135.0

TABLE 9A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER*
REFER TO TABLE VB-2 FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER		BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
COLD APPLIED BASE PLY:											
SC-1.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, ribbons 12" o.c. (on every-other deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA-3, Ultra-Max, Insulfoam EPS or SOPRA-XPS	DUOTACK 365	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-45.0*

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TABLE 9A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER*
REFER TO TABLE VB-2 FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER		BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SC-2.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG or Multi-Max FA-3	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-52.5
SC-3.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG or Multi-Max FA-3	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA4	None	SBS-CA3, SBS-CA4	-52.5
SC-4.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG or Multi-Max FA-3	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3	(Optional) SBS-CA3, SBS-TAF	SBS-CA3, SBS-TAF	-60.0
SC-5.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6-inch o.c. (on each deck flange)	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	TO DECK: DUOTACK 365, ribbons 6-inch o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3	None	SBS-CA3, SBS-TAF	-60.0
SC-6.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6-inch o.c. (on each deck flange)	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	TO DECK: DUOTACK 365, ribbons 6-inch o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch SOPRABOARD	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-82.5
SC-7.	22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board followed by SBS-TAF (sand-surfaced)	DUOTACK 365, ribbons 6-inch o.c. (on each deck flange)	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r, SOPRA-XPS or Insulfoam EPS	DUOTACK 365	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD	DUOTACK 365	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-82.5
SC-8.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6-inch o.c. (on each deck flange)	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	TO DECK: DUOTACK 365, ribbons 6-inch o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-82.5

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TABLE 9A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER*
REFER TO TABLE VB-2 FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER		BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SC-9.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6-inch o.c. (on each deck flange)	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	TO DECK: DUOTACK 365, ribbons 6-inch o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	SBS-CA3	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-82.5
SC-10.	22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, ribbons 6-inch o.c. (on each deck flange)	None	N/A	None	N/A	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-82.5
SC-11.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6-inch o.c. (on each deck flange)	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	TO DECK: DUOTACK 365, ribbons 6-inch o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-90.0
SC-12.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6-inch o.c. (on each deck flange)	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	TO DECK: DUOTACK 365, ribbons 6-inch o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.5-inch DensDeck Prime	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-97.5
SC-13.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6-inch o.c. (on each deck flange)	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	TO DECK: DUOTACK 365, ribbons 6-inch o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.5-inch DEXcell FA Glass Mat Roof Board	DUOTACK	SBS-CA4	None	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-97.5
SC-14.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6-inch o.c. (on each deck flange)	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	TO DECK: DUOTACK 365, ribbons 6-inch o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Min. 0.25-inch SOPRABOARD	DUOTACK 365, 6-inch o.c.	SBS-CA3	None	SBS-CA3	-97.5
SC-15.	22 ga., Type B, Grade 50 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365 or DUOTACK SPF, ribbons 6-inch o.c. (on each deck flange)	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK 365 or DUOTACK SPF, ribbons 6-inch o.c.	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365 or DUOTACK SPF, ribbons 6-inch o.c.	SBS-CA4	None	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-120.0

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TABLE 9A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER*
REFER TO TABLE VB-2 FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

System No.	Deck (4.1.2)	Thermal Barrier		Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (3.1.4)			MDP (psf)*
		Type	Attach (3.1.3)	Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
SC-16.	22 ga., Type B, Grade 50 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, ribbons 6-inch o.c. (on each deck flange)	None	N/A	None	N/A	SBS-CA4	None	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-120.0
SC-17.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO (on every-other deck flange)	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK SPF HFO	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-52.5
SC-18.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, ribbons 12-inch o.c. (on every-other deck flange)	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ r, Ultra-Max, Insulfoam EPS or SOPRA-XPS	DUOTACK SPF HFO	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-75.0
SC-19.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, ribbons 6-inch o.c. (on each deck flange)	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ r, Ultra-Max, Insulfoam EPS or SOPRA-XPS	DUOTACK SPF HFO, ribbons 6-inch o.c.	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, ribbons 6-inch o.c.	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-97.5
SC-20.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, ribbons 6-inch o.c. (on each deck flange)	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ r, Ultra-Max, Insulfoam EPS or SOPRA-XPS	DUOTACK SPF HFO, ribbons 6-inch o.c.	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, ribbons 6-inch o.c.	SBS-CA4	None	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-120.0
HOT OR TORCH APPLIED BASE PLY:											
SC-21.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, ribbons 12-inch o.c. (on every-other deck flange)	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3, Ultra-Max, Insulfoam EPS or SOPRA-XPS	DUOTACK 365	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-45.0*

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TABLE 9A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER*
REFER TO TABLE VB-2 FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER		BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SC-22.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6-inch o.c. (on each deck flange)	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	TO DECK: DUOTACK 365, ribbons 6-inch o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-52.5
SC-23.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6-inch o.c. (on each deck flange)	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	TO DECK: DUOTACK 365, ribbons 6-inch o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by SOPRASMART Board 180 Sanded	DUOTACK	(Optional) BP-AA, SBS-AA	None	SBS-AA	-52.5
SC-24.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6-inch o.c. (on each deck flange)	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	TO DECK: DUOTACK 365, ribbons 6-inch o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-82.5
SC-25.	22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board followed by SBS-TAF (sand-surfaced)	DUOTACK 365, ribbons 6-inch o.c. (on each deck flange)	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r, SOPRA-XPS or Insulfoam EPS	DUOTACK 365	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD	DUOTACK 365	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-82.5
SC-26.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6-inch o.c. (on each deck flange)	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	TO DECK: DUOTACK 365, ribbons 6-inch o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-97.5
SC-27.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6-inch o.c. (on each deck flange)	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	TO DECK: DUOTACK 365, ribbons 6-inch o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Min. 0.25-inch SOPRABOARD	DUOTACK 365, 6-inch o.c.	SBS-AA, SBS-TAF	(Optional) SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-97.5
SC-28.	22 ga., Type B, Grade 50 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365 , ribbons 6-inch o.c. (on each deck flange)	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK 365, ribbons 6-inch o.c.	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, ribbons 6-inch o.c.	SBS-AA, SBS-TAF	(Optional) SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-120.0

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TABLE 9A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER*
REFER TO TABLE VB-2 FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER		BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SC-29.	22 ga., Type B, Grade 50 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, ribbons 6-inch o.c. (on each deck flange)	None	N/A	None	N/A	SBS-AA, SBS-TAF	(Optional) SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-127.5
SC-30.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO, ribbons 12-inch o.c. (on every-other deck flange)	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK SPF HFO	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-52.5
SC-31.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, ribbons 12-inch o.c. (on every-other deck flange)	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ r, Ultra-Max, Insulfoam EPS or SOPRA-XPS	DUOTACK SPF HFO	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-75.0
SC-32.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, ribbons 6-inch o.c. (on each deck flange)	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ r, Ultra-Max, Insulfoam EPS or SOPRA-XPS	DUOTACK SPF HFO, ribbons 6-inch o.c.	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, ribbons 6-inch o.c.	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-127.5
SC-33.	22 ga., Type B, Grade 40 steel	Refer to Table VB-2		Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK 365, ribbons 6-inch o.c. (on each deck flange)	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD	DUOTACK	APP-TA	(Optional) APP-TA	APP-TA	-52.5
SC-34.	22 ga., Type B, Grade 40 steel	Refer to Table VB-2		Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK 365, ribbons 6-inch o.c. (on each deck flange)	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	APP-TA	(Optional) APP-TA	APP-TA	-60.0
SC-35.	22 ga., Type B, Grade 40 steel	Refer to Table VB-2		Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK 365, ribbons 6-inch o.c. (on each deck flange)	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	APP-TA	(Optional) APP-TA	APP-TA	-75.0

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TABLE 9A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER*
REFER TO TABLE VB-2 FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER		BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SC-36.	22 ga., Type B, Grade 40 steel	Refer to Table VB-2		Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK 365, ribbons 6-inch o.c. (on each deck flange)	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch SOPRABOARD	DUOTACK	APP-TA	(Optional) APP-TA	APP-TA	-82.5
SC-37.	22 ga., Type B, Grade 50 steel	Refer to Table VB-2		Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or SOPRA-ISO+ x	DUOTACK 365, ribbons 6-inch o.c. (on each deck flange)	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	DUOTACK 365, ribbons 6-inch o.c.	APP-TA	(Optional) APP-TA	APP-TA	-120.0
SELF-ADHERING BASE PLY:											
SC-38.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, ribbons 12" o.c. (on every-other deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA-3, Ultra-Max, Insulfoam EPS or SOPRA-XPS	DUOTACK 365	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick Zero.	DUOTACK 365	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-45.0*
SC-39.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, ribbons 12" o.c. (on every-other deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA-3, Ultra-Max, Insulfoam EPS or SOPRA-XPS	DUOTACK 365	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK 365	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-45.0*
SC-40.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG or Multi-Max FA-3	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-60.0
SC-41.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6-inch o.c. (on each deck flange)	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	TO DECK: DUOTACK 365, ribbons 6-inch o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL STICK Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-TAF	-60.0

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TABLE 9A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER*
REFER TO TABLE VB-2 FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER		BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SC-42.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL STICK Zero.	DUOTACK	SBS-SA1	(Optional) APP-TA	APP-TA	-60.0
SC-43.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	DUOTACK	SBS-SA1	(Optional) APP-TA	APP-TA	-82.5
SC-44.	22 ga., Type B, Grade 50 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or SOPRA-ISO+ x	DUOTACK 365, ribbons 6-inch o.c.	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	DUOTACK 365, ribbons 6-inch o.c.	SBS-SA1	(Optional) APP-TA	APP-TA	-120.0
SC-45.	22 ga., Type B, Grade 50 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero	DUOTACK 365, ribbons 6-inch o.c. (on each deck flange)	None	N/A	None	N/A	SBS-SA1	(Optional) APP-TA	APP-TA	-127.5
SC-46.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-82.5
SC-47.	22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board followed by SBS-TAF (sand-surfaced)	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r, SOPRA-XPS or Insulfoam EPS	DUOTACK 365	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK 365	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-82.5

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TABLE 9A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER*
REFER TO TABLE VB-2 FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

System No.	Deck (4.1.2)	Thermal Barrier		Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (3.1.4)			MDP (psf)*
		Type	Attach (3.1.3)	Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
SC-48.	22 ga., Type B, Grade 50 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365 or DUOTACK SPF, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA-3, Ultra-Max or SOPRA-XPS	DUOTACK 365 or DUOTACK SPF, ribbons 6" o.c.	Min. 0.25-in. DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK 365 or DUOTACK SPF, ribbons 6" o.c.	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-120.0
SC-49.	22 ga., Type B, Grade 50 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	None	N/A	None	N/A	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-127.5
SC-50.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO, ribbons 12" o.c. (on every-other deck flange)	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG or Multi-Max FA-3	DUOTACK SPF HFO	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-52.5
SC-51.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, ribbons 12" o.c. (on every-other deck flange)	Min. 1.5-inch ACFoam II, H-Shield CG, Ultra-Max, Insulfoam EPS or SOPRA-XPS	DUOTACK SPF HFO	Min. 0.25-inch SOPRABOARD or DensDeck Prime. Top surface shall be primed with ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-75.0
SC-52.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, ribbons 12" o.c. (on every-other deck flange)	Min. 1.5-inch ACFoam II, H-Shield CG, Ultra-Max, Insulfoam EPS or SOPRA-XPS	DUOTACK SPF HFO	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-75.0
SC-53.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, ribbons 6" o.c. (on each deck flange)	Min. 1.5-inch ACFoam II, H-Shield CG, Ultra-Max, Insulfoam EPS or SOPRA-XPS	DUOTACK SPF HFO, ribbons 6" o.c.	Min. 0.25-inch SOPRABOARD or DensDeck Prime. Top surface shall be primed with ELASTOCOL Stick Zero.	DUOTACK SPF HFO, ribbons 6" o.c.	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-127.5

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TABLE 9A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER*
REFER TO TABLE VB-2 FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

System No.	Deck (4.1.2)	Thermal Barrier		Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (3.1.4)			MDP (psf)*
		Type	Attach (3.1.3)	Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
SC-54.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, ribbons 6" o.c. (on each deck flange)	Min. 1.5-inch ACFoam II, H-Shield CG, Ultra-Max, Insulfoam EPS or SOPRA-XPS	DUOTACK SPF HFO, ribbons 6" o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO, ribbons 6" o.c.	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-127.5

TABLE 9B: 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 (4.1.2)	Base Insulation Layer			Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)
		Type	Fastener (4.2.2)	Attach (3.1.2E)	Type	Attach (3.1.3)	Base	Ply	Cap	
Cold Applied Base Ply:										
SC-55.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r	3.1.1	1 per 2.0 ft²	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r	hot asphalt	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-30.0*
SC-56.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r	3.1.1	1 per 2.0 ft²	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	hot asphalt	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-45.0*
SC-57.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r	3.1.1	1 per 2.0 ft²	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-30.0*
SC-58.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	Insulation: (Optional) additional layer(s), min. 1-inch base insulation Coverboard: 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
SC-59.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
SC-60.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-45.0*
SC-61.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*

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TABLE 9B: 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 (4.1.2)	Base Insulation Layer			Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)
		Type	Fastener (4.2.2)	Attach (3.1.2E)	Type	Attach (3.1.3)	Base	Ply	Cap	
SC-62.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max; followed by Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
SC-63.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max; followed by SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-45.0*
SC-64.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max; followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
SC-65.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Insulation: (Optional) additional layer(s), min. 1-inch base insulation Coverboard: 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
SC-66.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
SC-67.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-45.0*
SC-68.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
SC-69.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	SOPREMA #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft2	Additional layer(s) base insulation followed by min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-52.5
SC-70.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	SOPREMA #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft2	Additional layer(s) base insulation followed by SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-52.5
SC-71.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	Min. 0.25-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA4 or SBS-CA3	-82.5
SC-72.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board, mechanically attached, and followed by SBS-TAF (sand-surfaced)	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	INSULATION: Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r, SOPRA-XPS or Insulfoam EPS followed by COVERBOARD: min. 0.125-inch SOPRABOARD.	DUOTACK 365	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA4 or SBS-CA3	-82.5

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TABLE 9B: 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 (4.1.2)	Base Insulation Layer			Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)
		Type	Fastener (4.2.2)	Attach (3.1.2E)	Type	Attach (3.1.3)	Base	Ply	Cap	
SC-73.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft^2	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-82.5
SC-74.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	Min 2-inch SOPRA-ISO r	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft^2	Min. 0.25-inch SOPRABOARD	DUOTACK 365, 6-inch o.c.	SBS-CA3	None	SBS-CA3	-135.0
SC-75.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min. 1.5-inch SOPRA-ISO s	3.1.1	1 per 2.0 ft^2	Min. 1.5-inch SOPRA-ISO s	DUOTACK SPF HFO	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-30.0*
SC-76.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch SOPRA-ISO s, SOPRA-ISO+ r or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft^2	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3 or SBS-CA4	-45.0*
SC-77.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch SOPRA-ISO s, SOPRA-ISO+ r or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft^2	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3 or SBS-CA4	-45.0*
SC-78.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch SOPRA-ISO s, SOPRA-ISO+ r or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft^2	Min. 0.25-inch SOPRABOARD or DEXcell FA Glass Mat Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-75.0
SC-79.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch SOPRA-ISO s, SOPRA-ISO+ r or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft^2	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-82.5
SC-80.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	Min. 2-inch SOPRA-ISO s	SOPREMA #14 MP or #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft^2	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-CA4	None	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-105.0
SC-81.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	Min. 2-inch SOPRA-ISO s	SOPREMA #14 MP or #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft^2	Min. 0.25-inch SOPRABOARD, DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, 6" o.c.	SBS-CA4	None	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-105.0
SC-82.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft^2	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	Trufast RA	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
SC-83.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft^2	Min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max; followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	Trufast RA	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*

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TABLE 9B: 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 (4.1.2)	Base Insulation Layer			Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)
		Type	Fastener (4.2.2)	Attach (3.1.2E)	Type	Attach (3.1.3)	Base	Ply	Cap	
SC-84.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	Trufast RA	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
Hot or Torch Applied Base Ply:										
SC-85.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	3.1.1	1 per 2.0 ft²	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating or Min. 0.75-inch Fesco Board (homogeneous).	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA, SBS-CA4 or SBS-TAF	SBS-AA, SBS-CA4 or SBS-TAF	-45.0*
SC-86.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	3.1.1	1 per 2.0 ft²	Min. 0.125-inch SOPRABOARD, Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-CA4 or SBS-TAF	SBS-AA, SBS-CA4 or SBS-TAF	-45.0*
SC-87.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min. 2-inch SOPRA-ISO s or SOPRA-ISO r	3.1.1	1 per 4.0 ft²	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating or min. 0.75-inch Fesco Board (homogeneous)	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA, SBS-CA4 or SBS-TAF	SBS-AASBS-CA4SBS-TAF	-45.0*
SC-88.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min. 2-inch SOPRA-ISO s or SOPRA-ISO r	3.1.1	1 per 4.0 ft²	Min. 0.125-inch SOPRABOARD, Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-CA4 or SBS-TAF	SBS-AA, SBS-CA4 or SBS-TAF	-45.0*
SC-89.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	3.1.1	1 per 2.0 ft²	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	hot asphalt	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-45.0*
SC-90.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 2-inch SOPRA-ISO s or ENRGY 3	3.1.1	1 per 2.0 ft2	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-60.0
SC-91.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 2-inch SOPRA-ISO s or ENRGY 3	3.1.1	1 per 2.0 ft2	Min. 0.5-inch DensDeck Prime	hot asphalt	SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-60.0
SC-92.	22 ga., Type B, Grade 33 steel or structural concrete	Min. 2-inch SOPRA-ISO s or ENRGY 3	OMG #14 Roofgrip with AccuTrac Flat Bottom or SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.45 ft²	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-60.0
SC-93.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 2-inch SOPRA-ISO r	3.1.1	1 per 1.8 ft2	Min. 0.75-inch JM Fesco Board	hot asphalt	BP-AA	BP-AA	SBS-CA4, SBS-AA or SBS-TAF	-67.5
SC-94.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	Min. 0.125-inch SOPRABOARD, Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-CA4 or SBS-TAF	SBS-AA, SBS-CA4 or SBS-TAF	-45.0*
SC-95.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-45.0*

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TABLE 9B: 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 (4.1.2)	Base Insulation Layer			Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)
		Type	Fastener (4.2.2)	Attach (3.1.2E)	Type	Attach (3.1.3)	Base	Ply	Cap	
SC-96.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max; followed by min. 0.125-inch SOPRABOARD, Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-CA4 or SBS-TAF	SBS-AA, SBS-CA4 or SBS-TAF	-45.0*
SC-97.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max; followed by SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-TAF	-45.0*
SC-98.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 0.125-inch SOPRABOARD, Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-CA4 or SBS-TAF	SBS-AA, SBS-CA4 or SBS-TAF	-45.0*
SC-99.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-45.0*
SC-100.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	3.1.1	1 per 2.0 ft²	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	DUOTACK	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-45.0*
SC-101.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	SOPREMA #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft2	Additional layer(s) base insulation followed by min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-52.5
SC-102.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	SOPREMA #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft2	Additional layer(s) base insulation followed by SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-52.5
SC-103.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 2-inch SOPRA-ISO s or ENRGY 3	3.1.1	1 per 2.0 ft2	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-60.0
SC-104.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-82.5
SC-105.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board, mechanically attached, and followed by SBS-TAF (sand-surfaced)	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	INSULATION: Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r, SOPRA-XPS or Insulfoam EPS followed by COVERBOARD: min. 0.125-inch SOPRABOARD.	DUOTACK 365	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-82.5
SC-106.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	Min 2-inch SOPRA-ISO r	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft²	Min. 0.25-inch SOPRABOARD	DUOTACK 365, 6-inch o.c.	SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-135.0

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TABLE 9B: 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 (4.1.2)	Base Insulation Layer			Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)
		Type	Fastener (4.2.2)	Attach (3.1.2E)	Type	Attach (3.1.3)	Base	Ply	Cap	
SC-107.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch SOPRA-ISO s, SOPRA-ISO+ r or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-CA4 or SBS-TAF	SBS-AA, SBS-CA4 or SBS-TAF	-45.0*
SC-108.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch SOPRA-ISO s, SOPRA-ISO+ r or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-CA4 or SBS-TAF	SBS-AA, SBS-CA4 or SBS-TAF	-45.0*
SC-109.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 2-inch SOPRA-ISO s	3.1.1	1 per 2.0 ft2	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-60.0
SC-110.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch SOPRA-ISO s, SOPRA-ISO+ r or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	Min. 0.25-inch SOPRABOARD or DEXcell FA Glass Mat Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-75.0
SC-111.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch SOPRA-ISO s, SOPRA-ISO+ r or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-82.5
SC-112.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	Min. 2-inch SOPRA-ISO s	SOPREMA #14 MP or #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-AA, SBS-TAF	(Optional) SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-105.0
SC-113.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	Min. 2-inch SOPRA-ISO s	SOPREMA #14 MP or #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft²	Min. 0.25-inch SOPRABOARD, DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO, 6-inch o.c.	SBS-AA, SBS-TAF	(Optional) SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-105.0
SC-114.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	Trufast RA	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-CA4 or SBS-TAF	SBS-AA, SBS-CA4 or SBS-TAF	-45.0*
SC-115.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max; followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	Trufast RA	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-CA4 or SBS-TAF	SBS-AA, SBS-CA4 or SBS-TAF	-45.0*
SC-116.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	Trufast RA	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-CA4 or SBS-TAF	SBS-AA, SBS-CA4 or SBS-TAF	-45.0*
SC-117.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	3.1.1	1 per 2.0 ft²	Min. 0.125-inch SOPRABOARD	hot asphalt	APP-TA	(Optional) APP-TA	APP-TA	-45.0*
SC-118.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2-inch SOPRA-ISO s or SOPRA-ISO r	3.1.1	1 per 4.0 ft²	Min. 0.125-inch SOPRABOARD	hot asphalt	APP-TA	(Optional) APP-TA	APP-TA	-45.0*

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TABLE 9B: 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 (4.1.2)	Base Insulation Layer			Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)
		Type	Fastener (4.2.2)	Attach (3.1.2E)	Type	Attach (3.1.3)	Base	Ply	Cap	
SC-119.	22 ga., type B, Grade 33 steel or structural concrete	Min. 2.0-inch SOPRA-ISO s	3.1.1	1 per 2.0 ft²	Min. 3/8-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	hot asphalt	APP-TA	(Optional) APP-TA	APP-TA	-60.0
SC-120.	22 ga., type B, Grade 33 steel or structural concrete	Min. 2.0-inch SOPRA-ISO s	3.1.1	1 per 2.0 ft²	Min. 3/8-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA	APP-TA	(Optional) APP-TA	APP-TA	-60.0
SC-121.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min 1.5-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate or SOPREMA #14 Fastener with Dekfast PLT-H-2-7/8 or Perlok Steel Plate	1 per 2.0 ft²	Min. 0.125-inch SOPRABOARD	DUOTACK	APP-TA	(Optional) APP-TA	APP-TA	-45.0*
SC-122.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate or SOPREMA #14 Fastener with Dekfast PLT-H-2-7/8 or Perlok Steel Plate	1 per 4.0 ft²	Min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max; followed by min. 0.125-inch SOPRABOARD	DUOTACK	APP-TA	(Optional) APP-TA	APP-TA	-45.0*
SC-123.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate or SOPREMA #14 Fastener with Dekfast PLT-H-2-7/8 or Perlok Steel Plate	1 per 4.0 ft²	Min. 0.125-inch SOPRABOARD	DUOTACK	APP-TA	(Optional) APP-TA	APP-TA	-45.0*
SC-124.	Min. 22 ga. type B, Grade 33 steel or structural concrete	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	SOPREMA #15 Fastener with SOPREMA 3 in. Insulation Plate	1 per 1.8 ft²	Additional layer(s) base insulation followed by min. 0.125-inch SOPRABOARD	DUOTACK	APP-TA	(Optional) APP-TA	APP-TA	-52.5
SC-125.	Min. 22 ga. type B, Grade 33 steel or structural concrete	Min. 2.0-inch SOPRA-ISO s	3.1.1	1 per 2.0 ft²	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	APP-TA	(Optional) APP-TA	APP-TA	-60.0
SC-126.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min 2-inch SOPRA-ISO s, SOPRA-ISO r or SOPRA-ISO+ r	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 0.4375-inch DEXcell Cement Roof Board	DUOTACK	APP-TA	(Optional) APP-TA	APP-TA	-60.0
SC-127.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min 2.0-inch SOPRA-ISO s, SOPRA-ISO r or SOPRA-ISO+ r	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	APP-TA	(Optional) APP-TA	APP-TA	-75.0

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TABLE 9B: 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 (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SC-128.	22 ga., type B, Grade 33 steel or structural concrete	Min. 2.0-inch SOPRA-ISO s	SOPREMA #14 Fastener with Dekfast PLT-H-2-7/8 or OMG Heavy Duty with OMG 3 in. Round Metal Plate	1 per 2.0 ft²	Min. 3/8-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	OB500	APP-TA	(Optional) APP-TA	APP-TA	-60.0
SC-129.	22 ga., type B, Grade 33 steel or structural concrete	Min. 2.0-inch SOPRA-ISO s	SOPREMA #14 Fastener with Dekfast PLT-H-2-7/8 or OMG Heavy Duty with OMG 3 in. Round Metal Plate	1 per 2.0 ft²	Min. 3/8-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	APP-TA	(Optional) APP-TA	APP-TA	-60.0
SC-130.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate or SOPREMA #14 Fastener with Dekfast PLT-H-2-7/8	1 per 1.6 ft²	Min. 0.25-inch SOPRABOARD	DUOTACK	APP-TA	(Optional) APP-TA	APP-TA	-82.5
SC-131.	Min. 22 ga., type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board, mechanically attached, and followed by vapor barrier of SBS-TAF (sand-surfaced)	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	INSULATION: Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r followed by COVERBOARD: min. 0.125-inch SOPRABOARD.	DUOTACK 365	APP-TA	(Optional) APP-TA	APP-TA	-82.5
SELF-ADHERING BASE PLY:										
SC-132.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 2-inch ACFoam II or ENRGY 3	3.1.1	1 per 2.0 ft²	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-SA1	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-60.0
SC-133.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3 or Multi-Max FA-3. Top surface shall be *mist-primed with ELASTOCOL Stick or ELASTOCOL Stick Zero*	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4 or SBS-SA1	SBS-CA3, SBS-CA4	-45.0*
SC-134.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	Min. 0.125-inch SOPRABOARD primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-TAF	-45.0*
SC-135.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL STICK Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-TAF	-45.0*

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TABLE 9B: 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 (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SC-136.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-TAF	-45.0*
SC-137.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 1-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max; followed by Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-TAF	-45.0*
SC-138.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 1-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max; followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-TAF	-45.0*
SC-139.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 0.125-inch SOPRABOARD primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-TAF	-45.0*
SC-140.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL STICK Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-TAF	-45.0*
SC-141.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-TAF	-45.0*
SC-142.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	SOPREMA #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft²	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-52.5
SC-143.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	SOPREMA #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft²	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL STICK Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-TAF	-52.5
SC-144.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 2-inch ACFoam II or ENRGY 3	3.1.1	1 per 2.0 ft²	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK	SBS-SA1	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-60.0
SC-145.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	Min. 0.25-inch SOPRABOARD primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-82.5

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TABLE 9B: 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 (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SC-146.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board, mechanically attached, and followed by SBS-TAF (sand-surfaced)	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft^2	INSULATION: Min. 2 -inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r, SOPRA-XPS or Insulfoam EPS followed by COVERBOARD: min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick Zero.	DUOTACK 365	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-82.5
SC-147.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft^2	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL STICK Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-TAF	-82.5
SC-148.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min 1.5-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate or SOPREMA #14 Fastener with Dekfast PLT-H-2-7/8 or Perlok Steel Plate	1 per 2.0 ft^2	Min. 0.125-inch SOPRABOARD or Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 0.4375-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	DUOTACK	SBS-SA1	(Optional) APP-TA	APP-TA	-45.0*
SC-149.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate or SOPREMA #14 Fastener with Dekfast PLT-H-2-7/8 or Perlok Steel Plate	1 per 4.0 ft^2	Min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max; followed by Min. 0.125-inch SOPRABOARD or Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 0.4375-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	DUOTACK	SBS-SA1	(Optional) APP-TA	APP-TA	-45.0*
SC-150.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate or SOPREMA #14 Fastener with Dekfast PLT-H-2-7/8 or Perlok Steel Plate	1 per 4.0 ft^2	Min. 0.125-inch SOPRABOARD or Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 0.4375-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	DUOTACK	SBS-SA1	(Optional) APP-TA	APP-TA	-45.0*
SC-151.	Min. 22 ga. type B, Grade 33 steel or structural concrete	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate or SOPREMA #14 Fastener with Dekfast PLT-H-2-7/8 or Perlok Steel Plate	1 per 1.8 ft^2	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL STICK Zero.	DUOTACK	SBS-SA1	(Optional) APP-TA	APP-TA	-52.5

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TABLE 9B: 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 (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SC-152.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min 2-inch SOPRA-ISO s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate or SOPREMA #14 Fastener with Dekfast PLT-H-2-7/8 or Perlok Steel Plate	1 per 1.6 ft²	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 0.4375-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	DUOTACK	SBS-SA1	(Optional) APP-TA	APP-TA	-82.5
SC-153.	Min. 22 ga., type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board, mechanically attached, and followed by vapor barrier of SBS-TAF (sand-surfaced)	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	INSULATION: Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO ro r SOPRA-ISO+ r followed by COVERBOARD: min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL STICK Zero.	DUOTACK 365	SBS-SA1	(Optional) APP-TA	APP-TA	-82.5
SC-154.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-82.5
SC-155.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min 1.5-inch ACFoam II, H-Shield CG or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft2	Min. 1.5-inch ACFoam II. Top surface shall be *mist-primed with ELASTOCOL Stick or ELASTOCOL Stick Zero*	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-CA3, SBS-CA4 or SBS-SA1	SBS-CA3, SBS-CA4	-45.0*
SC-156.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch ACFoam II, H-Shield CG or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-TAF	-45.0*
SC-157.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-TAF	-45.0*
SC-158.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	Min. 2-inch ACFoam II	3.1.1	1 per 2.0 ft2	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-60.0
SC-159.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	Min. 0.25-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-75.0
SC-160.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-75.0

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TABLE 9B: 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 (4.1.2)	Base Insulation Layer			Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)
		Type	Fastener (4.2.2)	Attach (3.1.2E)	Type	Attach (3.1.3)	Base	Ply	Cap	
SC-161.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield CG or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft^2	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-82.5
SC-162.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	Min. 2-inch ACFoam II	SOPREMA #14 MP or #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft^2	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-105.0
SC-163.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	Min. 2-inch ACFoam II	SOPREMA #14 MP or #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft^2	Min. 0.25-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick Zero.	DUOTACK SPF HFO, 6" o.c.	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-105.0
SC-164.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	Min. 2-inch ACFoam II	SOPREMA #14 MP or #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft^2	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO, 6" o.c.	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-105.0
SC-165.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 1.5-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft^2	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	Trufast RA	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-TAF	-45.0*
SC-166.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft^2	Min. 1-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max; followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	Trufast RA	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-TAF	-45.0*
SC-167.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min 2-inch ACFoam II, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft^2	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast RA	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-TAF	-45.0*

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TABLE 9C: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Thermal Barrier			Vapor Barrier (3.1.4)	Insulation Layer(s)		Roof Cover (3.1.4)			MDP (psf)
		Type	Fastener (3.1.1, 4.2.2)	Attach (3.1.2E)		Type	Attach (3.1.3)	Base	Ply	Cap	
Hot or Torch Applied Base Ply:											
SC-168.	22 ga., type B, Grade 40 steel	Min. 0.625-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 Fastener with Perlok Steel Plate	1 per 4.0 ft²	SELECT APP POLY SANDED or SELECT APP POLY SP, torch-applied	One or more layers, min. 1.5-inch SOPRA-ISO s followed by min. 2-inch Rockwool MULTIFIX	M-OSFA	APP-TA	(Optional) APP-TA	APP-TA	-45.0*
SC-169.	22 ga., type B, Grade 40 steel	Min. 0.625-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 Fastener with Perlok Steel Plate	1 per 4.0 ft²	SELECT APP POLY SANDED or SELECT APP POLY SP, torch-applied	Min. 2-inch Rockwool MULTIFIX	M-OSFA	APP-TA	(Optional) APP-TA	APP-TA	-45.0*
SC-170.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	SOPRAVAP'R, ELASTOPHENE STICK, SOPRALENE STICK	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r followed by Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 0.4375-inch DEXcell Cement Roof Board	APP-TA	(Optional) APP-TA	APP-TA	APP-TA	-45.0*
SC-171.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	SOPRAVAP'R, ELASTOPHENE STICK, SOPRALENE STICK	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r followed by Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 0.4375-inch DEXcell Cement Roof Board	APP-TA	(Optional) APP-TA	APP-TA	APP-TA	-60.0
SC-172.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate or SOPREMA #14 Fastener with Dekfast PLT-H-2-7/8 or Perlok Steel Plate	1 per 4.0 ft²	SOPRAVAP'R, ELASTOPHENE STICK, SOPRALENE STICK	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, EnergyGuard POLYISO Insulation, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3 followed by Min. 0.125-inch SOPRABOARD	DUOTACK	APP-TA	(Optional) APP-TA	APP-TA	-45.0*
SC-173.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate or SOPREMA #14 Fastener with Dekfast PLT-H-2-7/8 or Perlok Steel Plate	1 per 2.0 ft²	SOPRAVAP'R, ELASTOPHENE STICK, SOPRALENE STICK	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, EnergyGuard POLYISO Insulation, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3 followed by Min. 0.25-inch SOPRABOARD	DUOTACK	APP-TA	(Optional) APP-TA	APP-TA	-82.5

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TABLE 9C: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Thermal Barrier			Vapor Barrier (3.1.4)	Insulation Layer(s)		Roof Cover (3.1.4)			MDP (psf)
		Type	Fastener (3.1.1, 4.2.2)	Attach (3.1.2E)		Type	Attach (3.1.3)	Base	Ply	Cap	
Self-Adhering Base Ply:											
SC-174.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate or SOPREMA #14 Fastener with Dekfast PLT-H-2-7/8 or Perlok Steel Plate	1 per 4.0 ft²	SOPRAVAP'R, ELASTOPHENE STICK, SOPRALENE STICK	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3 followed by Min. 0.125-inch SOPRABOARD or Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 0.4375-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	DUOTACK	SBS-SA1	(Optional) APP-TA	APP-TA	-45.0*
SC-175.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate or SOPREMA #14 Fastener with Dekfast PLT-H-2-7/8 or Perlok Steel Plate	1 per 4.0 ft²	SOPRAVAP'R, ELASTOPHENE STICK, SOPRALENE STICK	Min. 1.5-inch SOPRA-ISO r followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	DUOTACK	SBS-SA1	(Optional) APP-TA	APP-TA	-45.0*
SC-176.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate or SOPREMA #14 Fastener with Dekfast PLT-H-2-7/8 or Perlok Steel Plate	1 per 2.0 ft²	SOPRAVAP'R, ELASTOPHENE STICK, SOPRALENE STICK	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, Multi-Max FA-3 or Ultra-Max followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	DUOTACK	SBS-SA1	(Optional) APP-TA	APP-TA	-75.0
SC-177.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate or SOPREMA #14 Fastener with Dekfast PLT-H-2-7/8 or Perlok Steel Plate	1 per 2.0 ft²	SOPRAVAP'R, ELASTOPHENE STICK, SOPRALENE STICK	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3 followed by Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 0.4375-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero	DUOTACK	SBS-SA1	(Optional) APP-TA	APP-TA	-82.5

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TABLE 9D: 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 (4.1.2)	BASE INSULATION LAYER(S) (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	BASE	PLY	CAP	
COLD APPLIED BASE PLY:									
SC-178.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	3.1.1	1 per 2.6 ft²	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-30.0*
SC-179.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 2.6 ft²	SBS-CA3	None	SBS-CA3	-30.0*
SC-180.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	3.1.1	1 per 2.0 ft²	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-30.0*
SC-181.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	SBS-CA3	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-37.5*
SC-182.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r, loose laid	Min. 0.125-inch SOPRABOARD	3.1.1	1 per 4.0 ft²	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-45.0*
SC-183.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, min. 1-inch, loose laid	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board, optionally primed with ELASTOCOL 500	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
SC-184.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch SOPRABOARD	3.1.1	1 per 3.2 ft²	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-45.0*
SC-185.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	3.1.1	1 per 2.3 ft²	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-45.0*
SC-186.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft²	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0
SC-187.	Min. 22 ga., Type B, Grade 80 steel	One or more layers, any combination, loose laid	Min. 0.5-inch DEXCell FA Glass Mat Roof Board	SOPREMA #15 HD Fastener with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0
SC-188.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.25-inch DensDeck Prime	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft²	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-52.5
SC-189.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch SOPRABOARD	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	SBS-CA3	(Optional) SBS-CA3, SBS-TAF	SBS-CA3, SBS-TAF	-60.0
SC-190.	Min. 22 ga., Type B, Grade 80 steel	One or more layers, any combination, loose laid	Min. 0.5-inch DEXCell FA Glass Mat Roof Board	SOPREMA #15 HD Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.3 ft²	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-60.0

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TABLE 9D: 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 (4.1.2)	Base Insulation Layer(s) (3.1.2)	Top Insulation Layer			Roof Cover (3.1.4)			MDP (psf)
			Type	Fastener (4.2.2)	Attach (3.1.2e)	Base	Ply	Cap	
SC-191.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft²	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-67.5
SC-192.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft²	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-75.0
SC-193.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.25-inch SOPRABOARD	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.3 ft²	SBS-CA3	(Optional) SBS-CA3, SBS-TAF	SBS-CA3, SBS-TAF	-82.5
SC-194.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.125-inch SOPRABOARD	SOPREMA #15 HD Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft²	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-82.5
SC-195.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime	3.1.1	1 per 1.0 ft²	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-82.5
SC-196.	Min. 22 ga., Type B, Grade 80 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.3 ft²	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-90.0
SC-197.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	One or more layers, min. 2-inch, any combination, loose laid	Min. 0.25-inch SOPRABOARD	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft²	SBS-CA3	(Optional) SBS-CA3, SBS-TAF	SBS-CA3, SBS-TAF	-120.0
SC-198.	Min. 22 ga., Type B, Grade 80 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime	3.1.1	1 per 1.0 ft²	SBS-CA3	None	SBS-CA3	-127.5
Hot or Torch Applied Base Ply:									
SC-199.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck or DensDeck Prime	3.1.1	1 per 2.6 ft²	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-30.0*
SC-200.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	3.1.1	1 per 2.0 ft²	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-30.0*
SC-201.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	3.1.1	1 per 2.3 ft²	SBS-TAF	(Optional) SBS-AA, SBS-CA4 or SBS-TAF	SBS-AA, SBS-CA4 or SBS-TAF	-37.5*
SC-202.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	SBS-AA, SBS-TAF	(Optional) SBS-AA, SBS-CA3, SBS-CA4, SBS-TAF	SBS-AA, SBS-CA3, SBS-CA4, SBS-TAF	-37.5*
SC-203.	Min. 22 ga., Type B, Grade 33 steel	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime	3.1.1	1 per 4.0 ft²	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-45.0*

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TABLE 9D: 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 (4.1.2)	Base Insulation Layer(s) (3.1.2)	Top Insulation Layer			Roof Cover (3.1.4)			MDP (psf)
			Type	Fastener (4.2.2)	Attach (3.1.2e)	Base	Ply	Cap	
SC-204.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	OMG Heavy Duty with 3 in. Galvalume Steel Plate	1 per 4.0 ft²	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-45.0*
SC-205.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft²	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA, SBS-CA4 or SBS-TAF	SBS-AA, SBS-CA4 or SBS-TAF	-45.0*
SC-206.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board, optionally primed with ELASTOCOL 500	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA, SBS-CA4 or SBS-TAF	SBS-AA, SBS-CA4 or SBS-TAF	-45.0*
SC-207.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	3.1.1	1 per 4.0 ft²	BP-AA, SBS-AA, SBS-AA2 or SBS-TAF	(Optional) SBS-AA, SBS-AA2 or SBS-TAF	SBS-AA, SBS-AA2 or SBS-TAF	-45.0*
SC-208.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min 0.375-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.7 ft2	SBS-TAF	(Optional) SBS-AA, SBS-CA4 or SBS-TAF	SBS-AA, SBS-CA4 or SBS-TAF	-45.0*
SC-209.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck	3.1.1	1 per 2.0 ft²	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-45.0*
SC-210.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck. Top surface shall be primed with ELASTOCOL STICK	3.1.1	1 per 2.0 ft2	SBS-TAF	(Optional) SBS-AA, SBS-CA4 or SBS-TAF	SBS-AA, SBS-CA4 or SBS-TAF	-45.0*
SC-211.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	3.1.1	1 per 2.0 ft2	SBS-TAF	(Optional) SBS-AA, SBS-AA2, SBS-CA4 or SBS-TAF	SBS-AA, SBS-AA2, SBS-CA4 or SBS-TAF	-45.0*
SC-212.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA, SBS-CA4 or SBS-TAF	SBS-AA, SBS-CA4 or SBS-TAF	-45.0*
SC-213.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft²	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA, SBS-CA4 or SBS-TAF	SBS-AA, SBS-CA4 or SBS-TAF	-45.0
SC-214.	Min. 22 ga., Type B, Grade 80 steel	One or more layers, any combination, loose laid	Min. 0.5-inch DEXCell FA Glass Mat Roof Board	SOPREMA #15 HD Fastener with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA, SBS-CA4 or SBS-TAF	SBS-AA, SBS-CA4 or SBS-TAF	-45.0
SC-215.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	3.1.1	1 per 1.3 ft²	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-45.0*
SC-216.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.8 ft²	SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-52.5

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TABLE 9D: 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 (4.1.2)	Base Insulation Layer(s) (3.1.2)	Top Insulation Layer			Roof Cover (3.1.4)			MDP (psf)
			Type	Fastener (4.2.2)	Attach (3.1.2e)	Base	Ply	Cap	
SC-217.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.25-inch DensDeck Prime	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft^2	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-52.5
SC-218.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	3.1.1	1 per 2.0 ft^2	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-60.0
SC-219.	Min. 22 ga., Type B, Grade 80 steel	One or more layers, any combination, loose laid	Min. 0.5-inch DEXCell FA Glass Mat Roof Board	SOPREMA #15 HD Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.3 ft^2	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA, SBS-CA4 or SBS-TAF	SBS-AA, SBS-CA4 or SBS-TAF	-60.0
SC-220.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.8 ft^2	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-60.0
SC-221.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft^2	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-67.5
SC-222.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	3.1.1	1 per 2.0 ft^2	SBS-AA or SBS-TAF (*D6164 only*)	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-67.5
SC-223.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.6 ft^2	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-75.0
SC-224.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	SOPREMA #15 HD with SOPREMA 3" Metal Insulation Plate	1 per 1.3 ft^2	SBS-TAF	(Optional) SBS-AA, SBS-TAF	SBS-AA, SBS-CA4, SBS-TAF	-75.0
SC-225.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	Min. 200 psi, Min. 2-inch cellular lightweight concrete	Min. 0.125-inch SOPRABOARD	Dekfast #15 with 3" Round Insulation Plate or SOPREMA #15 Fastener with SOPREMA 3 in. Round Insulation Plate	1 per 1.3 ft^2	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	-82.5
SC-226.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime	3.1.1	1 per 1.0 ft^2	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-82.5
SC-227.	Min. 22 ga., Type B, Grade 80 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.3 ft^2	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-90.0
SC-228.	Min. 22 ga., Type B, Grade 40 steel or structural concrete	One or more layers, min. 2-inch, any combination, loose laid	Min. 0.25-inch SOPRABOARD	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft^2	SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-120.0
SC-229.	Min. 22 ga., Type B, Grade 80 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime	3.1.1	1 per 1.0 ft^2	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-127.5

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TABLE 9D: 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 (4.1.2)	Base Insulation Layer(s) (3.1.2)	Top Insulation Layer			Roof Cover (3.1.4)			MDP (psf)
			Type	Fastener (4.2.2)	Attach (3.1.2e)	Base	Ply	Cap	
SC-230.	Min. 22 ga., Type B, Grade 80 steel or structural concrete	One or more layers, min. 2-inch, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft²	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	-142.5
SC-231.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP or #15 HD Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.3 ft²	BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-157.5
SC-232.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 MP or #15 HD Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.0 ft²	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-172.5
SC-233.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	3.1.1	1 per 4.0 ft²	APP-TA	(Optional) APP-TA	APP-TA	-45.0*
SC-234.	22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft²	APP-TA	(Optional) APP-TA	APP-TA	-45.0*
SC-235.	Min. 22 ga., type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	3.1.1	1 per 2.0 ft²	APP-TA	(Optional) APP-TA	APP-TA	-60.0
SC-236.	22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	SOPREMA #14 Fastener with Dekfast PLT-H-2-7/8 or OMG Heavy Duty with OMG 3 in. Round Metal Plate	1 per 1.8 ft²	APP-TA	(Optional) APP-TA	APP-TA	-75.0
SC-237.	Min. 22 ga., type B, Grade 40 steel or structural concrete	One or more layers, min. 2-inch, any combination, loose laid	Min. 0.25-inch SOPRABOARD	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate or SOPREMA #14 Fastener with Dekfast PLT-H-2-7/8	1 per 1.0 ft²	APP-TA	(Optional) APP-TA	APP-TA	-120.0
Self-Adhering Base Ply:									
SC-238.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 3.2 ft2	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4 or SBS-TAF	-30.0*
SC-239.	Min. 22 ga. type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 3.2 ft²	SBS-SA1	(Optional) APP-TA	APP-TA	-30.0*
SC-240.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck primed with ELASTOCOL STICK Zero or DensDeck Prime	3.1.1	1 per 2.6 ft²	SBS-SA1	(Optional) APP-TA	APP-TA	-30.0*

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TABLE 9D: 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 (4.1.2)	BASE INSULATION LAYER(S) (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	BASE	PLY	CAP	
SC-241.	Min. 22 ga. type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL STICK Zero.	3.1.1	1 per 2.3 ft²	SBS-SA1	(Optional) APP-TA	APP-TA	-37.5*
SC-242.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional for recover) One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate or SOPREMA #14 Fastener with Dekfast PLT-H-2-7/8	1 per 4.0 ft²	SBS-SA1	(Optional) APP-TA	APP-TA	-37.5*
SC-243.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional for recover) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate or SOPREMA #14 Fastener with Dekfast PLT-H-2-7/8	1 per 4.0 ft²	SBS-SA1	(Optional) APP-TA	APP-TA	-45.0*
SC-244.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional for recover) One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 0.4375-inch DEXcell Cement Roof Board. Top surface primed with ELASTOCOL STICK Zero.	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate or SOPREMA #14 Fastener with Dekfast PLT-H-2-7/8	1 per 4.0 ft²	SBS-SA1	(Optional) APP-TA	APP-TA	-45.0*
SC-245.	Min. 22 ga. type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min 0.375-inch SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	3.1.1	1 per 2.7 ft²	SBS-SA1	(Optional) APP-TA	APP-TA	-45.0*
SC-246.	Min. 22 ga. type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch SOPRA-ISO+ s, SOPRA-ISO+ r or Ultra-Max	3.1.1	1 per 2.0 ft²	SBS-SA1	(Optional) APP-TA	APP-TA	-45.0*
SC-247.	Min. 22 ga. type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r. Top surface shall be mist-primed with ELASTOCOL STICK Zero.	3.1.1	1 per 2.0 ft²	SBS-SA1	(Optional) APP-TA	APP-TA	-45.0*
SC-248.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck primed with ELASTOCOL STICK Zero or DensDeck Prime	3.1.1	1 per 2.0 ft²	SBS-SA1	(Optional) APP-TA	APP-TA	-45.0*
SC-249.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL STICK Zero.	3.1.1	1 per 2.0 ft²	SBS-SA1	(Optional) APP-TA	APP-TA	-45.0*
SC-250.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional for recover) One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate or SOPREMA #14 Fastener with Dekfast PLT-H-2-7/8	1 per 1.8 ft²	SBS-SA1	(Optional) APP-TA	APP-TA	-45.0
SC-251.	Min. 22 ga., type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.25-inch DensDeck Prime	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate or SOPREMA #14 Fastener with Dekfast PLT-H-2-7/8	1 per 1.8 ft²	SBS-SA1	(Optional) APP-TA	APP-TA	-52.5

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TABLE 9D: 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 (4.1.2)	BASE INSULATION LAYER(S) (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	FASTENER (4.2.2)	ATTACH (3.1.2E)	BASE	PLY	CAP	
SC-252.	Min. 22 ga., type B, Grade 80 steel or structural concrete	One or more layers, min. 1.4-inch, any combination, loose laid	Min. 0.25-inch DensDeck primed with ELASTOCOL STICK Zero or DensDeck Prime	OMG #14 Roofgrip with AccuTrac Flat Bottom Plate	1 per 1.8 ft²	SBS-SA1	(Optional) APP-TA	APP-TA	-60.0
SC-253.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck primed with D41 primer, ELASTOCOL Stick or ELASTOCOL Stick Zero or DensDeck Prime	3.1.1	1 per 2.6 ft²	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-30.0*
SC-254.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL 500, ELASTOCOL Stick or ELASTOCOL Stick Zero	3.1.1	1 per 2.3 ft²	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-TAF	-37.5*
SC-255.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1, SBS-TAF	SBS-AA, SBS-CA3, SBS-CA4, , SBS-TAF	-37.5*
SC-256.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-TAF	-45.0*
SC-257.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface primed with ELASTOCOL Stick Zero	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 4.0 ft²	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-TAF	-45.0*
SC-258.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min 0.375-inch SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with D41, ELASTOCOL Stick or ELASTOCOL Stick Zero	3.1.1	1 per 2.7 ft²	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-TAF	-45.0*
SC-259.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam III, H-Shield CG or Ultra-Max	3.1.1	1 per 2.0 ft²	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-TAF	-45.0*
SC-260.	Min. 22 ga. Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II or H-Shield *mist-primed with ELASTOCOL 500, ELASTOCOL Stick, ELASTOCOL Stick Zero*	3.1.1	1 per 2.0 ft²	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-TAF	-45.0*
SC-261.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck primed with D41 primer, ELASTOCOL Stick or ELASTOCOL Stick Zero or DensDeck Prime	3.1.1	1 per 2.0 ft²	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-AA, SBS-CA4, SBS-TAF	-45.0*
SC-262.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL 500, ELASTOCOL Stick or ELASTOCOL Stick Zero	3.1.1	1 per 2.0 ft²	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-45.0*

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TABLE 9D: 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 (4.1.2)	Base Insulation Layer(s) (3.1.2)	Top Insulation Layer			Roof Cover (3.1.4)			MDP (psf)
			Type	Fastener (4.2.2)	Attach (3.1.2e)	Base	Ply	Cap	
SC-263.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft²	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1, SBS-TAF	SBS-AA, SBS-CA3, SBS-CA4, SBS-TAF	-45.0
SC-264.	Min. 22 ga., Type B, Grade 80 steel	One or more layers, any combination, loose laid	Min. 0.5-inch DEXCell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPREMA #15 EHD Fastener with SOPREMA 3" Metal Insulation Plate	1 per 2.0 ft²	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1, SBS-TAF	SBS-AA, SBS-CA3, SBS-CA4, SBS-TAF	-45.0
SC-265.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.25-inch DensDeck Prime	SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft²	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-52.5
SC-266.	Min. 22 ga., Type B, Grade 80 steel or structural concrete	One or more layers, min. 1.4-inch, any combination, loose laid	Min. 0.25-inch DensDeck primed with D41 primer, ELASTOCOL Stick or ELASTOCOL Stick Zero or DensDeck Prime	OMG #14 Roofgrip with Flat Bottom Plate (Accutrac)	1 per 1.8 ft²	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-60.0
SC-267.	Min. 22 ga., Type B, Grade 80 steel	One or more layers, any combination, loose laid	Min. 0.5-inch DEXCell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPREMA #15 EHD Fastener with SOPREMA 3" Metal Insulation Plate	1 per 1.3 ft²	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1, SBS-TAF	SBS-AA, SBS-CA3, SBS-CA4, SBS-TAF	-60.0

TABLE 9E: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

System No.	Deck (4.1.2)	Insulation Layer(s) (3.1.2)	Base Membrane			Roof Cover (3.1.4)		MDP (psf)
			Type (3.1.4b)	Fastener (4.2.2)	Spacing	Ply	Cap	
With Fastener and Stress Plate:								
SC-268.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	SOPREMA #14 MP with SOPREMA 2" Seam Plate	18-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP 2.2, torch-applied	SBS-CA3, SBS-CA4	-45.0*
SC-269.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	SOPREMA #14 MP with SOPREMA 2" Seam Plate	18-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-45.0*
SC-270.	Min. 22 ga., Type B, Grade 40 steel	(Optional) Any type, thickness or combination, loose-laid	SOPRASMART Board 180 Sanded, SOPRASMART ISO HD 180 Sanded, SOPRASMART XP HD 180 Sanded or SOPRASMART XP ISO 180 Sanded	SOPREMA #14 MP with SOPREMA 2" Seam Plate	6-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	None	SBS-CA3, SBS-CA4	-52.5*
SC-271.	Min. 22 ga., Type B, Grade 40 steel	(Optional) Any type, thickness or combination, loose-laid	SOPRASMART Board 180 Sanded, SOPRASMART ISO HD 180 Sanded, SOPRASMART XP HD 180 Sanded or SOPRASMART XP ISO 180 Sanded	SOPREMA #14 MP with SOPREMA 2" Seam Plate	6-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	ELASTOPHENE SP 2.2, torch-applied	SBS-CA3, SBS-CA4	-52.5*
SC-272.	Min. 22 ga., Type B, Grade 40 steel	(Optional) Any type, thickness or combination, loose-laid	SOPRASMART Board 180 Sanded, SOPRASMART ISO HD 180 Sanded, SOPRASMART XP HD 180 Sanded or SOPRASMART XP ISO 180 Sanded	SOPREMA #14 MP with SOPREMA 2" Seam Plate	6-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	(Optional) SBS-TAF	SBS-TAF	-52.5*

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TABLE 9E: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	INSULATION LAYER(S) (3.1.2)	BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
			TYPE (3.1.4.B)	FASTENER (4.2.2)	SPACING	PLY	CAP	
SC-273.	Min. 22 ga., Type B, Grade 40 steel	(Optional) Any type, thickness or combination, loose-laid	SOPRASMART Board 180 Sanded, SOPRASMART ISO HD 180 Sanded, SOPRASMART XP HD 180 Sanded or SOPRASMART XP ISO 180 Sanded. Top surface primed with ELASTOCOL STICK Zero.	SOPREMA #14 MP with SOPREMA 2" Seam Plate	6-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	(Optional) SBS-SA1	SBS-TAF	-52.5*
SC-274.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	SOPREMA #15 HD with SOPREMA 2" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP 2.2, torch-applied	SBS-CA3, SBS-CA4	-67.5
SC-275.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	SOPREMA #15 HD with SOPREMA 2" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-67.5
SC-276.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	SOPREMA #14 MP with SOPREMA 2" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP 2.2, torch-applied	SBS-CA3, SBS-CA4	-67.5
SC-277.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	SOPREMA #14 MP with SOPREMA 2" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-67.5
SC-278.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	SOPREMA #15 HD with SOPREMA 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP 2.2, torch-applied	SBS-CA3, SBS-CA4	-75.0
SC-279.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	SOPREMA #15 HD with SOPREMA 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-75.0
SC-280.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	SOPREMA #14 MP with SOPREMA 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP 2.2, torch-applied	SBS-CA3, SBS-CA4	-75.0
SC-281.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	SOPREMA #14 MP with SOPREMA 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-75.0
SC-282.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	SOPREMA #15 HD with SOPREMA 2" Seam Plate or SOPREMA 2.4" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP 2.2, torch-applied	SBS-CA4	-112.5
SC-283.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	SOPREMA #15 HD with SOPREMA 2" Seam Plate or SOPREMA 2.4" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-112.5
SC-284.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	SOPREMA #14 MP or #15 HD with SOPREMA 2" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP 2.2, torch-applied	SBS-CA4	-120.0
SC-285.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	SOPREMA #14 MP or #15 HD with SOPREMA 2" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-120.0

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TABLE 9E: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	INSULATION LAYER(S) (3.1.2)	BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
			TYPE (3.1.4.B)	FASTENER (4.2.2)	SPACING	PLY	CAP	
SC-286.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	SOPREMA #14 MP with SOPREMA 2.4" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-135.0
SC-287.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	SOPREMA #15 HD with SOPREMA 2.4" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-142.5
SC-288.	22 ga., type B, Grade 33 steel or structural concrete	Any type, thickness or combination	Derbibase	OMG #12 Standard Roofgrip or OMG Heavy Duty with OMG 3 in. Round Metal Plate or SOPREMA #12 DP Fastener or SOPREMA #14 MP Fastener with SOPREMA 3" Metal Insulation Plate	12-inch o.c. at the 4-inch laps and 18-inch o.c. at two, equally spaced, staggered center rows	(Optional) APP-TA	APP-TA	-45.0*
WITH FASTENER AND BATTEN BARS OR BATTEN STRIPS:								
SC-289.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	SOPREMA #14 MP with SOPRAFIX MBB or MBB-R	12-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP 2.2, torch-applied	SBS-CA3, SBS-CA4	-75.0
SC-290.	Min. 22 ga., Type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	SOPREMA #14 MP with SOPRAFIX MBB or MBB-R	12-inch o.c. within 5-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-75.0
SC-291.	Min. 22 ga., Type B, Grade 33 steel	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat	SELECT SBS POLY FLAM	SOPREMA #15 with SOPRAFIX MBB	Lap Row: Alternate spacing 6-inch, 12-inch, 6-inch, 12-inch, 6-inch, and so on within the 5-inch heat-welded laps. Center Row: 12-inch o.c. in one center row	(Optional) SBS-TAF	SBS-TAF	-150.0

TABLE 9F: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-3: INSULATED, BONDED & MECHANICALLY ATTACHED BASE MEMBRANE, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER(S) (3.1.2)	COVERBOARD			BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
			TYPE	FASTEN	ATTACH	TYPE (3.1.4.B)	FASTENER (4.2.2)	SPACING	PLY	CAP	
SC-292.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch SOPRA-ISO s, ENRGY 3 or SOPRA-ISO r, loose-laid	Min. 0.5-inch DensDeck, DensDeck Prime, DEXcell Glass Mat Roof Board, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 4.0 ft^2	SELECT SBS POLY FLAM torch applied with 3-inch laps then mechanically fastened	SOPREMA #14 or #15 with SOPRAFIX 2 in. SB or SOPRAFIX 2-3/8 in SB Stress Plate	12-inch o.c. atop the laps and 12-inch o.c. in two, equally spaced, staggered center rows	SBS-TAF	SBS-AA or SBS-TAF	-165.0

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TABLE 10A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-3 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
COLD APPLIED BASE PLY:										
C-1.	Structural concrete	ASTM D41	Min. 1.5-inch SOPRA-ISO s	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	APP-CA	None	APP-TA	-105.0
C-2.	Structural concrete	ASTM D41	Min. 1.5-inch SOPRA-ISO s	M-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA	APP-CA	None	APP-TA	-105.0
C-3.	Structural concrete	ASTM D41	Min. 1.5-inch SOPRA-ISO s	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	APP-CA	None	APP-TA	-105.0
C-4.	Structural concrete	ASTM D41	Min. 1.5-inch SOPRA-ISO s	PERMASTIC	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	PERMASTIC	APP-CA	None	APP-TA	-105.0
C-5.	Structural concrete	ASTM D41	Min. 1.5-inch SOPRA-ISO s	DUOTACK SPF HFO	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	APP-CA	None	APP-TA	-105.0
C-6.	Structural Concrete	D41	Min. 1.5-inch SOPRA-ISO s, ENRGY 3 or SOPRA-ISO r	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-105.0
C-7.	Structural Concrete	D41	Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min. 0.5-inch 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	hot asphalt	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-150.0
C-8.	Structural Concrete	D41	Min. 1.5-inch SOPRA-ISO s, ENRGY 3 or SOPRA-ISO r	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-227.5
C-9.	Structural Concrete	D41	Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	-337.5
C-10.	Structural Concrete	None	Min. 0.25-inch SOPRABOARD	COLPLY EF Adhesive, 6-inch o.c.	None	N/A	SBS-CA3	SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-337.5
C-11.	Structural Concrete	None	Min. 0.25-inch SOPRABOARD	COLPLY EF Adhesive, 6-inch o.c.	None	N/A	SBS-CA3	None	SBS-CA3, SBS-CA4	-382.5
C-12.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-337.5
C-13.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-382.5
C-14.	Structural Concrete	None	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	SOPRASMART XP HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-52.5

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TABLE 10A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-3 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
C-15.	Structural Concrete	None	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	SOPRASMART ISO HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-307.5
C-16.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-382.5
C-17.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-190.0
C-18.	Structural Concrete	None	(Optional) One or more layer(s), min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3, Ultra-Max or SOPRA-XPS	DUOTACK, 6-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 6-inch o.c.	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-227.5
C-19.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK, 6-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 6-inch o.c.	SBS-CA3	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-285.0
C-20.	Structural Concrete	None	(Optional) One or more layer(s), min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3, Ultra-Max or SOPRA-XPS	DUOTACK	0.5-inch Blue Ridge Structodek HD with Primed Red Coating	DUOTACK	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-187.5
C-21.	Structural Concrete	None	(Optional) One or more layer(s), min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3, Ultra-Max or SOPRA-XPS	DUOTACK, 6-inch o.c.	0.5-inch Blue Ridge Structodek HD with Primed Red Coating	DUOTACK, 6-inch o.c.	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-227.5
C-22.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-315.0
C-23.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	SBS-CA3	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-120.0
C-24.	Structural Concrete	None	(Optional) One or more layer(s), min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3, Ultra-Max or SOPRA-XPS	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-187.5

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TABLE 10A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-3 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
C-25.	Structural Concrete	None	(Optional) One or more layer(s), min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3, Ultra-Max or SOPRA-XPS	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 6-inch o.c.	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-227.5
C-26.	Structural Concrete	None	Min. 1.5-inch Insulfoam EPS	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-152.5
C-27.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-315.0
C-28.	Structural Concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	None	N/A	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	-337.5
C-29.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r or Ultra-Max	DUOTACK SPF	Min. 0.125-inch SOPRABOARD	DUOTACK SPF	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-277.5
C-30.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r or Ultra-Max	DUOTACK SPF	SOPRASMART Board 180 Sanded	DUOTACK SPF	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-277.5
C-31.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK SPF HFO	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-190.0
C-32.	Structural Concrete	None	Min. 1.5-inch, Insulfoam EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	-240.0
C-33.	Structural Concrete	None	Min. 1.5-inch SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-270.0
C-34.	Structural Concrete	None	(Optional) Min. 1-inch SOPRA-ISO s	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-315.0
C-35.	Structural Concrete	None	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK SPF HFO	None	N/A	SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-337.5
C-36.	Structural Concrete	None	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK SPF HFO	None	N/A	SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-382.5
C-37.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	Trufast RA	Min. 7/16-inch DEXcell Cement Roof Board	Trufast RA	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-190.0
C-38.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	Trufast RA, 4-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board	Trufast RA, 4-inch o.c.	SBS-CA3	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-285.0

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TABLE 10A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-3 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
C-39.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	Trufast RA	Min. 0.25-inch DensDeck Prime	Trufast RA	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-195.0
C-40.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	Trufast RA	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Trufast RA	SBS-CA3	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-120.0
C-41.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	Trufast RA	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Trufast RA	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-187.5
C-42.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	Trufast RA, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Trufast RA, 4-inch o.c.	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-227.5
C-43.	Structural Concrete	None	Min. 1.5-inch Insulfoam EPS	Trufast RA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Trufast RA	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-152.5
C-44.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	Trufast RA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Trufast RA	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-195.0
HOT OR TORCH APPLIED BASE PLY:										
C-45.	Structural Concrete	D41	Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	SBS-TAF	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-155.0
C-46.	Structural Concrete	D41	Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	SBS-TAF	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-SA1 or SBS-TAF	-155.0
C-47.	Structural Concrete	D41	Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-277.5
C-48.	Structural Concrete	D41	Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-CA4, SBS-AA or SBS-TAF	-365.0
C-49.	Structural Concrete	D41	Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	SBS-AA	(Optional) SBS-AA or SBS-TAF	SBS-CA3	-365.0
C-50.	Structural Concrete	D41	(Optional) Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-150.0

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TABLE 10A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-3 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
C-51.	Structural Concrete	D41	(Optional) Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min. 0.25-inch DensDeck	hot asphalt	SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-187.5
C-52.	Structural Concrete	D41	(Optional) Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min. 0.25-inch DensDeck	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-452.5
C-53.	Structural Concrete	D41	(Optional) Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-375.0
C-54.	Structural Concrete	D41	(Optional) Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-CA3, SBS-CA4	-382.5
C-55.	Structural Concrete	D41	(Optional) Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-397.5
C-56.	Structural Concrete	D41	(Optional) Min. 1.4-inch SOPRA-ISO s, ENRGY 3 or SOPRA-ISO r	hot asphalt	Min. 0.75-inch Fesco Board (homogeneous)	hot asphalt	BP-AA or SBS-AA	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-420.0
C-57.	Structural Concrete	None	Min. 1.5-inch, Insulfoam EPS	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-152.5
C-58.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-382.5
C-59.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	SOPRASMART XP HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART XP HD 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) SBS-TAF	None	SBS-AA or SBS-TAF	-52.5
C-60.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK	None	None	SBS-AA or SBS-TAF	-150.0
C-61.	Structural Concrete	None	Min. 1.5-inch, Insulfoam EPS	DUOTACK	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) SBS-TAF	None	SBS-AA or SBS-TAF	-152.5
C-62.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART ISO HD 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-307.5
C-63.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-382.5

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TABLE 10A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-3 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
C-64.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-AA, SBS-TAF	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-285.0
C-65.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-367.5
C-66.	Structural Concrete	None	(Optional) One or more layer(s), min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3, Ultra-Max or SOPRA-XPS	DUOTACK	0.5-inch Blue Ridge Structodek HD with Primed Red Coating	DUOTACK	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-187.5
C-67.	Structural Concrete	None	(Optional) One or more layer(s), min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3, Ultra-Max or SOPRA-XPS	DUOTACK, 6-inch o.c.	0.5-inch Blue Ridge Structodek HD with Primed Red Coating	DUOTACK, 6-inch o.c.	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-227.5
C-68.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	Min. 0.25-inch DensDeck	DUOTACK	SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-187.5
C-69.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	Min. 0.25-inch DensDeck	DUOTACK	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-232.5
C-70.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-315.0
C-71.	Structural Concrete	None	(Optional) Min. 1.5-in. SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.25-in. DensDeck Prime primed with DETEC "TruGround Conductive Primer"	DUOTACK	SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-315.0
C-72.	Structural Concrete	None	(Optional) One or more layer(s), min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3, Ultra-Max or SOPRA-XPS	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-187.5
C-73.	Structural Concrete	None	(Optional) One or more layer(s), min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3, Ultra-Max or SOPRA-XPS	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 6-inch o.c.	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-227.5
C-74.	Structural Concrete	None	Min. 1.5-inch, Insulfoam EPS	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-152.5

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TABLE 10A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-3 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
C-75.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-315.0
C-76.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r or Ultra-Max	DUOTACK SPF	Min. 0.125-inch SOPRABOARD	DUOTACK SPF	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-277.5
C-77.	Structural Concrete	None	Min. 1.5-inch, Insulfoam EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-240.0
C-78.	Structural Concrete	None	Min. 1.5-inch SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-270.0
C-79.	Structural Concrete	None	(Optional) Min. 1-inch SOPRA-ISO s	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-315.0
C-80.	Structural Concrete	None	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK SPF HFO	None	N/A	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-592.5
C-81.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	Trufast RA	Min. 7/16-inch DEXcell Cement Roof Board	Trufast RA	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-195.0
C-82.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	Trufast RA	Min. 0.25-inch DensDeck Prime	Trufast RA	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-195.0
C-83.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	Trufast RA	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Trufast RA	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-187.5
C-84.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	Trufast RA, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Trufast RA, 4-inch o.c.	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-227.5
C-85.	Structural Concrete	None	Min. 1.5-inch, Insulfoam EPS	Trufast RA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Trufast RA	SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-152.5
C-86.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	Trufast RA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Trufast RA	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-195.0
C-87.	Structural concrete	ASTM D41	Min. 2.0-inch SOPRA-ISO s	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	APP-TA	(Optional) APP-TA	APP-TA	-232.5

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TABLE 10A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-3 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
C-88.	Structural Concrete	ASTM D41	Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	APP-TA	(Optional) APP-TA	APP-TA	-365.0
C-89.	Structural Concrete	None	Min. 1.5-inch SOPRA-ISO s, ENRGY 3, EnergyGuard POLYISO Insulation, SOPRA-ISO r or Multi-Max FA-3	M-OSFA, 6-inch o.c.	Min. 0.125-inch SOPRABOARD	M-OSFA, 6-inch o.c.	APP-TA	(Optional) APP-TA	APP-TA	-215.0
C-90.	Structural concrete	None	Min. 2.0-inch SOPRA-ISO s	M-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA	APP-TA	(Optional) APP-TA	APP-TA	-232.5
C-91.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	APP-TA	(Optional APP-TA	APP-TA	-160.0
C-92.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	APP-TA	(Optional APP-TA	APP-TA	-232.5
C-93.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r, SOPRA-ISO x or SOPRA-ISO+ x	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	APP-TA	(Optional) APP-TA	APP-TA	-382.5
C-94.	Structural concrete	None	Min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3 or ISO 95+GL	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or 0.5-inch DuraBoard	OB500	APP-TA	(Optional) APP-TA	APP-TA	-130.0
C-95.	Structural concrete	None	Min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3 or ISO 95+GL	OB500	Min. 0.25-inch DensDeck Prime	OB500	APP-TA	(Optional) APP-TA	APP-TA	-160.0
C-96.	Structural concrete	None	Min. 2.0-inch SOPRA-ISO s	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	APP-TA	(Optional) APP-TA	APP-TA	-232.5
C-97.	Structural Concrete	None	Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	DUOTACK SPF HFO	Min. 0.125-inch SOPRABOARD	DUOTACK SPF HFO	APP-TA	(Optional) APP-TA	APP-TA	-157.5
C-98.	Structural concrete	None	Min. 2.0-inch SOPRA-ISO s	DUOTACK SPF HFO	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	APP-TA	(Optional) APP-TA	APP-TA	-232.5
SELF-ADHERING BASE PLY:										
C-99.	Structural Concrete	D41	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA-3.	hot asphalt	(Optional) Additional layers of base insulation	hot asphalt	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-155.0
C-100.	Structural Concrete	D41	(Optional) One or more layers min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA-3.	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-155.0
C-101.	Structural Concrete	D41	(Optional) One or more layers min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3.	hot asphalt	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL STICK Zero	hot asphalt	(Optional) SBS-SA1	None	SBS-TAF	-155.0

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TABLE 10A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-3 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
C-102.	Structural Concrete	D41	(Optional) Min. 2-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA-3	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-172.5
C-103.	Structural Concrete	None	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA-3.	DUOTACK	(Optional) Additional layers of base insulation	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-150.0
C-104.	Structural Concrete	None	Min. 1.4-inch SOPRA-ISO s or SOPRA-ISO r	DUOTACK	(Optional) Additional layers of base insulation	DUOTACK	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-225.0
C-105.	Structural Concrete	None	One or more layers min. 1.5-inch Insulfoam EPS	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-152.5
C-106.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-150.0
C-107.	Structural Concrete	None	Min. 1.5-inch, Insulfoam EPS	DUOTACK, 6-inch o.c.	Min. 0.125-inch SOPRABOARD	DUOTACK, 6-inch o.c.	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-215.0
C-108.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA or SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA	-270.0
C-109.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-382.5
C-110.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL STICK Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-TAF	-150.0
C-111.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL STICK Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-TAF	-270.0
C-112.	Structural Concrete	ASTM D41	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, ENRGY 3 or Multi-Max FA-3	hot asphalt	(Optional) Additional layers of base insulation	hot asphalt	SBS-SA1	(Optional) APP-TA	APP-TA	-155.0
C-113.	Structural Concrete	ASTM D41	One or more layers min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, ENRGY 3 or Multi-Max FA-3	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	SBS-SA1	(Optional) APP-TA	APP-TA	-155.0

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TABLE 10A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-3 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
C-114.	Structural Concrete	ASTM D41	Min. 2-inch SOPRA-ISO s, SOPRA-ISO r, ENRGY 3 or Multi-Max FA-3	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-SA1	(Optional) APP-TA	APP-TA	-172.5
C-115.	Structural Concrete	None	Min. 1.5-inch, Insulfoam EPS	M-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA	SBS-SA1	(Optional) APP-TA	APP-TA	-152.5
C-116.	Structural Concrete	None	One or more layers min. 1.5-inch, Insulfoam EPS	M-OSFA	Min. 0.125-inch SOPRABOARD	M-OSFA	SBS-SA1	(Optional) APP-TA	APP-TA	-152.5
C-117.	Structural Concrete	None	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, ENRGY 3 or Multi-Max FA-3	M-OSFA	(Optional) Additional layers of base insulation	M-OSFA	SBS-SA1	(Optional) APP-TA	APP-TA	-155.0
C-118.	Structural Concrete	None	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, ENRGY 3, EnergyGuard POLYISO INSULATION or Multi-Max FA-3	M-OSFA	Min. 0.125-inch SOPRABOARD	M-OSFA	SBS-SA1	(Optional) APP-TA	APP-TA	-155.0
C-119.	Structural Concrete	None	Min. 2-inch SOPRA-ISO s, SOPRA-ISO r, ENRGY 3, EnergyGuard POLYISO INSULATION or Multi-Max FA-3	M-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA	SBS-SA1	(Optional) APP-TA	APP-TA	-172.5
C-120.	Structural Concrete	None	Min. 1.5-inch, Insulfoam EPS	M-OSFA at 6-inch o.c.	Min. 0.125-inch SOPRABOARD	M-OSFA at 6-inch o.c.	SBS-SA1	(Optional) APP-TA	APP-TA	-215.0
C-121.	Structural Concrete	None	Min. 1.5-inch, Insulfoam EPS	M-OSFA at 6-inch o.c.	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA at 6-inch o.c.	SBS-SA1	(Optional) APP-TA	APP-TA	-215.0
C-122.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r, SOPRA-ISO x or SOPRA-ISO+ x	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	DUOTACK	SBS-SA1	(Optional) APP-TA	APP-TA	-120.0
C-123.	Structural Concrete	None	Min. 1.5-inch, Insulfoam EPS	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-SA1	(Optional) APP-TA	APP-TA	-152.5
C-124.	Structural Concrete	None	One or more layers min. 1.5-inch, Insulfoam EPS	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) APP-TA	APP-TA	-152.5
C-125.	Structural Concrete	None	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, ENRGY 3 or Multi-Max FA-3	DUOTACK	(Optional) Additional layers of base insulation	DUOTACK	SBS-SA1	(Optional) APP-TA	APP-TA	-150.0
C-126.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, EnergyGuard POLYISO Insulation, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, SOPRA-ISO r, SOPRA-ISO+ r, SOPRA-ISO x or SOPRA-ISO+ x	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) APP-TA	APP-TA	-150.0
C-127.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, EnergyGuard POLYISO Insulation, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, SOPRA-ISO r, SOPRA-ISO+ r, SOPRA-ISO x or SOPRA-ISO+ x	DUOTACK	Min. 0.4375-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	DUOTACK	SBS-SA1	(Optional) APP-TA	APP-TA	-157.5

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TABLE 10A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-3 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
C-128.	Structural Concrete	None	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-SA1	(Optional) APP-TA	APP-TA	-172.5
C-129.	Structural Concrete	None	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, EnergyGuard POLYISO Insulation, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, SOPRA-ISO r, SOPRA-ISO+ r, SOPRA-ISO x or SOPRA-ISO+ x	DUOTACK	Min. 0.4375-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	DUOTACK	SBS-SA1	(Optional) APP-TA	APP-TA	-190.0
C-130.	Structural Concrete	None	Min. 1.5-inch, Insulfoam EPS	DUOTACK at 6-inch o.c.	Min. 0.125-inch SOPRABOARD	DUOTACK at 6-inch o.c.	SBS-SA1	(Optional) APP-TA	APP-TA	-215.0
C-131.	Structural Concrete	None	Min. 1.5-inch, Insulfoam EPS	DUOTACK at 6-inch o.c.	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK at 6-inch o.c.	SBS-SA1	(Optional) APP-TA	APP-TA	-215.0
C-132.	Structural Concrete	None	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, EnergyGuard POLYISO Insulation, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, SOPRA-ISO r, SOPRA-ISO+ r, SOPRA-ISO x or SOPRA-ISO+ x	DUOTACK	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL STICK Zero.	DUOTACK	SBS-SA1	(Optional) APP-TA	APP-TA	-270.0
C-133.	Structural Concrete	None	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, EnergyGuard POLYISO Insulation, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, SOPRA-ISO r, SOPRA-ISO+ r, SOPRA-ISO x or SOPRA-ISO+ x	DUOTACK, 6-inch o.c.	Min. 0.4375-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	DUOTACK, 6-inch o.c.	SBS-SA1	(Optional) APP-TA	APP-TA	-285.0
C-134.	Structural Concrete	None	Min. 1.5-inch, Insulfoam EPS	DUOTACK SPF HFO	Min. 0.125-inch SOPRABOARD	DUOTACK SPF HFO	SBS-SA1	(Optional) APP-TA	APP-TA	-87.5
C-135.	Structural Concrete	None	Min. 1.5-inch, Insulfoam EPS	DUOTACK SPF HFO	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-SA1	(Optional) APP-TA	APP-TA	-87.5
C-136.	Structural Concrete	None	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, ENRGY 3 or Multi-Max FA-3	DUOTACK SPF HFO	(Optional) Additional layers of base insulation	DUOTACK SPF HFO	SBS-SA1	(Optional) APP-TA	APP-TA	-155.0
C-137.	Structural Concrete	None	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, ENRGY 3 or Multi-Max FA-3	DUOTACK SPF HFO	Min. 0.125-inch SOPRABOARD	DUOTACK SPF HFO	SBS-SA1	(Optional) APP-TA	APP-TA	-155.0
C-138.	Structural Concrete	None	Min. 2-inch SOPRA-ISO s, SOPRA-ISO r, ENRGY 3 or Multi-Max FA-3	DUOTACK SPF HFO	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-SA1	(Optional) APP-TA	APP-TA	-172.5
C-139.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-190.0

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TABLE 10A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-3 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
C-140.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	DUOTACK, 6-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-285.0
C-141.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.25-inch DensDeck Prime. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-315.0
C-142.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-CA3, SBS-CA4, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-120.0
C-143.	Structural Concrete	None	Min. 1.5-inch, Insulfoam EPS	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-152.5
C-144.	Structural Concrete	None	(Optional) Min. 2-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA-3	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-172.5
C-145.	Structural Concrete	None	Min. 1.5-inch, Insulfoam EPS	DUOTACK, 6-inch o.c.	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK, 6-inch o.c.	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-215.0
C-146.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-315.0
C-147.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG or Ultra-Max	DUOTACK SPF	Min. 0.125-inch SOPRABOARD	DUOTACK SPF	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-277.5
C-148.	Structural Concrete	None	(Optional) Min. 1-inch ACFoam II, Min. 1.5-inch ACFoam III, H-Shield, H-Shield CG or Ultra-Max or Min. 1.5-inch Insulfoam EPS	DUOTACK SPF HFO	Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-190.0
C-149.	Structural Concrete	None	(Optional) Min. 1-inch ACFoam II, Min. 1.5-inch ACFoam III, H-Shield, H-Shield CG or Ultra-Max or Min. 1.5-inch Insulfoam EPS	DUOTACK SPF HFO	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-215.0

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TABLE 10A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-3 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
C-150.	Structural Concrete	None	Min. 1.5-inch, Insulfoam EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-240.0
C-151.	Structural Concrete	None	Min. 1.5-inch ACFoam III, H-Shield, H-Shield CG or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-270.0
C-152.	Structural Concrete	None	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	None	N/A	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-285.0
C-153.	Structural Concrete	None	(Optional) Min. 1-inch ACFoam II	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-315.0
C-154.	Structural Concrete	None	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	None	N/A	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-382.5
C-155.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	Trufast RA	Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast RA	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-190.0
C-156.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	Trufast RA, 4-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast RA, 4-inch o.c.	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-285.0
C-157.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	Trufast RA	Min. 0.25-inch DensDeck Prime. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast RA	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-195.0
C-158.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	Trufast RA	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast RA	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-120.0

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TABLE 10A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-3 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
C-159.	Structural Concrete	None	Min. 1.5-inch, Insulfoam EPS	Trufast RA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Trufast RA	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-152.5
C-160.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	Trufast RA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Trufast RA	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-172.5
C-161.	Structural Concrete	None	Min. 1.5-inch, Insulfoam EPS	Trufast RA, 4-inch o.c.	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Trufast RA, 4-inch o.c.	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-215.0
C-162.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	Trufast RA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	Trufast RA	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-195.0

TABLE 10B: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	INSULATION AND/OR THERMAL BARRIER (3.1.2)	BASE MEMBRANE			ROOF COVER (3.1.4)		MDP (PSF)
			BASE (3.1.4.B)	FASTENER (4.2.2)	SPACING	PLY	CAP	
WITH FASTENER AND STRESS PLATE:								
C-163.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	Trufast ¼" Concrete Spike with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP with SOPREMA 2" Seam Plate	18-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP 2.2, torch-applied	SBS-CA3, SBS-CA4	-45.0*
C-164.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	Trufast ¼" Concrete Spike with Trufast 2" Barbed Metal Seam Plate or SOPREMA #14 MP with SOPREMA 2" Seam Plate	18-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-45.0*
C-165.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	Trufast ¼" Concrete Spike with Trufast 2 in. Barbed Metal Seam Plate or SOPREMA #14 MP with SOPREMA 2" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP 2.2, torch-applied	SBS-CA3, SBS-CA4	-67.5
C-166.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	Trufast ¼" Concrete Spike with Trufast 2 in. Barbed Metal Seam Plate or SOPREMA #14 MP with SOPREMA 2" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-67.5
C-167.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	Trufast ¼" Concrete Spike with Trufast 2.4 in. Scoop Seam Plate or SOPREMA #14 MP with SOPREMA 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP 2.2, torch-applied	SBS-CA3, SBS-CA4	-75.0

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TABLE 10B: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

System No.	Deck (4.1.2)	Insulation and/or Thermal Barrier (3.1.2)	Base Membrane			Roof Cover (3.1.4)		MDP (psf)
			Base (3.1.4.B)	Fastener (4.2.2)	Spacing	Ply	Cap	
C-168.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	Trufast ¼" Concrete Spike with Trufast 2.4 in. Scoop Seam Plate or SOPREMA #14 MP with SOPREMA 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-75.0
C-169.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	Trufast ¼" Concrete Spike with Trufast 2 in. Barbed Metal Seam Plate or Trufast 2.4 in. Scoop Seam Plate or SOPREMA #14 MP with SOPREMA 2" Seam Plate or SOPREMA 2.4" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP 2.2, torch-applied	SBS-CA4	-112.5
C-170.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	Trufast ¼" Concrete Spike with Trufast 2 in. Barbed Metal Seam Plate or Trufast 2.4 in. Scoop Seam Plate or SOPREMA #14 MP with SOPREMA 2" Seam Plate or SOPREMA 2.4" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-112.5
C-171.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	Trufast ¼" Concrete Spike with Trufast 2 in. Barbed Metal Seam Plate or SOPREMA #14 MP with SOPREMA 2" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP 2.2, torch-applied	SBS-CA4	-120.0
C-172.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	Trufast ¼" Concrete Spike with Trufast 2 in. Barbed Metal Seam Plate or SOPREMA #14 MP with SOPREMA 2" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-120.0
C-173.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	Trufast ¼" Concrete Spike with Trufast 2.4 in. Scoop Seam Plate or SOPREMA #14 MP with SOPREMA 2.4" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-142.5
With Fastener and Batten Bars or Batten Strips:								
C-174.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	Trufast ¼" Concrete Spike or SOPREMA #14 MP with SOPRAFIX MBB-R	12-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP 2.2, torch-applied	SBS-CA3, SBS-CA4	-75.0
C-175.	Structural concrete	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	Trufast ¼" Concrete Spike or SOPREMA #14 MP with SOPRAFIX MBB-R	12-inch o.c. within 5-inch wide, heat-welded laps	(Optional) SBS-TAF	SBS-TAF	-75.0

TABLE 10C: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER

System No.	Deck (4.1.2)	Primer	Roof Cover (3.1.4)			MDP (psf)
			Base	Ply	Cap	
Cold Applied Base Ply:						
C-176.	Structural Concrete	ASTM D41, ELASTOCOL 500	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-97.5
C-177.	Structural Concrete	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-180.0
C-178.	Structural Concrete	None	SBS-CA3	(Optional) SBS-CA3 or SBS-TAF	SBS-CA3 or SBS-TAF	-255.0
C-179.	Structural Concrete	ASTM D41, ELASTOCOL 500	SBS-CA3	(Optional) SBS-CA3 or SBS-TAF	SBS-CA3 or SBS-TAF	-270.0

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TABLE 10C: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	PRIMER	ROOF COVER (3.1.4)			MDP (PSF)
			BASE	PLY	CAP	
HOT OR TORCH APPLIED BASE PLY:						
C-180.	Structural Concrete	ASTM D41	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	-367.5
C-181.	Structural concrete	ASTM D41	APP-TA	(Optional) APP-TA	APP-TA	-300.0
SELF-ADHERING BASE PLY:						
C-182.	Structural Concrete	ELASTOCOL STICK Zero	SBS-SA1	(Optional) APP-TA	APP-TA	-67.5
C-183.	Structural Concrete	ELASTOCOL Stick, ELASTOCOL Stick Zero	SBS-SA1	(Optional) SBS-CA4 or SBS-SA1	SBS-CA4	-67.5
C-184.	Structural Concrete	ELASTOCOL 500, ELASTOCOL Stick, ELASTOCOL Stick Zero	SBS-SA1	(Optional) BP-AA or SBS-AA	SBS-AA	-242.5
C-185.	Structural Concrete	ELASTOCOL 500, ELASTOCOL Stick, ELASTOCOL Stick Zero	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-272.5

TABLE 11A: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
CELCORE:										
COLD APPLIED BASE PLY:										
LWC-1.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	(Optional) Min. 2-inch SOPRA-ISO+ s or SOPRA-ISO+ r	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-105.0
LWC-2.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	(Optional) Min. 2-inch SOPRA-ISO+ s or SOPRA-ISO+ r	DUOTACK	SOPRASMART XP HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-52.5
LWC-3.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	(Optional) Min. 2-inch SOPRA-ISO+ s or SOPRA-ISO+ r	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-105.0
LWC-4.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 370 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound is applied	Min. 1.5-inch, Insulfoam EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	-240.0

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TABLE 11A: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
LWC-5.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 370 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound is applied	(Optional) Min. 1.5-inch SOPRA-ISO+ s, SOPRA-ISO+ r or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-270.0
HOT OR TORCH APPLIED BASE PLY:										
LWC-6.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 0.125-inch SOPRABOARD	DUOTACK	None	N/A	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-115.0
LWC-7.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 2-inch SOPRA-ISO+ s or SOPRA-ISO+ r	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-170.0
LWC-8.	Structural Concrete	**Vapor Barrier; Required:** ELASTOPHENE SP 2.2, torch applied **LWC:** Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 340 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore SBS (Sanded Bonding Surface) at 1 gal/square.	Min. 0.125-inch SOPRABOARD	DUOTACK	None	N/A	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	-410.0
LWC-9.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK	None	N/A	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-115.0
LWC-10.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 2-inch SOPRA-ISO+ s or SOPRA-ISO+ r	DUOTACK	SOPRASMART XP HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART XP HD 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) SBS-TAF	None	SBS-AA or SBS-TAF	-52.5
LWC-11.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 2-inch SOPRA-ISO+ s or SOPRA-ISO+ r	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 or SOPRASMART ISO HD 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-170.0

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TABLE 11A: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Base Insulation Layer		Coverboard		Roof Cover (3.1.4)			MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
LWC-12.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	None	N/A	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-115.0
LWC-13.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 2-inch SOPRA-ISO+ s or SOPRA-ISO+ r	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-170.0
LWC-14.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 0.5-inch SECUROCK Cement Board	DUOTACK	None	N/A	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-115.0
LWC-15.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 2-inch SOPRA-ISO+ s or SOPRA-ISO+ r	DUOTACK	Min. 0.5-inch SECUROCK Cement Board	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-170.0
LWC-16.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 0.25-inch DensDeck Prime	DUOTACK	None	N/A	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-115.0
LWC-17.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 2-inch SOPRA-ISO+ s or SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-170.0
LWC-18.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	None	N/A	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-115.0
LWC-19.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 2-inch SOPRA-ISO+ s or SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-120.0
LWC-20.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	None	N/A	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-115.0
LWC-21.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 2-inch SOPRA-ISO+ s or SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-170.0

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TABLE 11A: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Base Insulation Layer		Coverboard		Roof Cover (3.1.4)			MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
LWC-22.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 370 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound is applied	Min. 1.5-inch, Insulfoam EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-240.0
LWC-23.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 370 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound is applied	(Optional) Min. 1.5-inch SOPRA-ISO+ s, SOPRA-ISO+ r or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-270.0
LWC-24.	Structural Concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. Celcore PVA Curing Compound	Min. 2-inch SOPRA-ISO+ s or SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	APP-TA	(Optional APP-TA	APP-TA	-160.0
LWC-25.	Structural Concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. Celcore PVA Curing Compound	Min. 2-inch SOPRA-ISO+ s or SOPRA-ISO+ r	DUOTACK	Min. 0.125-inch SOPRABOARD or Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	APP-TA	(Optional APP-TA	APP-TA	-170.0
LWC-26.	Structural Concrete	Min. 200 psi Range II Elastizell Lightweight Insulating Concrete	Min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3 or ISO 95+GL	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or 0.5-inch DuraBoard	OB500	APP-TA	(Optional) APP-TA	APP-TA	-130.0
LWC-27.	Structural Concrete	Min. 200 psi Range II Elastizell Lightweight Insulating Concrete	Min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3 or ISO 95+GL	OB500	Min. 0.25-inch DensDeck Prime	OB500	APP-TA	(Optional) APP-TA	APP-TA	-160.0
LWC-28.	Structural Concrete	Min. 200 psi Range II Elastizell Lightweight Insulating Concrete	Min. 0.25-inch DensDeck Prime	OB500	None	N/A	APP-TA	(Optional APP-TA	APP-TA	-210.0
SELF-ADHERING BASE PLY:										
LWC-29.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 0.125-inch SOPRABOARD	DUOTACK	None	N/A	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-115.0
LWC-30.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 2-inch ACFoam III or H-Shield CG	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-155.0
LWC-31.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound	Min. 2-inch SOPRA-ISO+ s or SOPRA-ISO+ r	DUOTACK	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL STICK Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-TAF	-155.0

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TABLE 11A: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
LWC-32.	Structural Concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. Celcore PVA Curing Compound.	Min. 0.125-inch SOPRABOARD	DUOTACK	None	N/A	SBS-SA1	(Optional) APP-TA	APP-TA	-115.0
LWC-33.	Structural Concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. Celcore PVA Curing Compound.	Min. 2-inch SOPRA-ISO+ s or SOPRA-ISO+ r	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) APP-TA	APP-TA	-155.0
LWC-34.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 370 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound is applied	(Optional) Min. 1.5-inch ACFoam III, H-Shield CG or Ultra-Max or Min. 1.5-inch Insulfoam EPS	DUOTACK SPF HFO	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-215.0
LWC-35.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 370 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound is applied	Min. 1.5-inch Insulfoam EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-240.0
LWC-36.	Structural Concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 370 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound is applied	(Optional) Min. 1.5-inch ACFoam III, H-Shield CG or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-270.0
PRE-EXISTENT CELLULAR LWC:										
TORCH APPLIED BASE PLY:										
LWC-37.	Structural Concrete	Cellular lightweight concrete, Min. 400 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener shall achieve an average withdrawal of 156 lbf when tested per* (4.2.2)	Min. 0.125-inch SOPRABOARD	DUOTACK 365, 6-inch o.c.	None	N/A	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	-210.0
LWC-38.	Structural Concrete	Cellular lightweight concrete, Min. 400 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener shall achieve an average withdrawal of 156 lbf when tested per* (4.2.2)	Min. 0.125-inch SOPRABOARD	DUOTACK 365, 6-inch o.c.	None	N/A	APP-TA	(Optional APP-TA	APP-TA	-210.0

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TABLE 11B: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-2: LWC TO DECK, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	VAPOR BARRIER (3.1.4)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSF)
				TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
PRE-EXISTENT CELLULAR LWC:											
COLD APPLIED BASE PLY:											
LWC-39.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	SBS-CA2, 6-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
LWC-40.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	SBS-CA2, 6-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	SOPRASMART XP HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-52.5
LWC-41.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	SBS-CA2, 6-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-60.0
LWC-42.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	SBS-CA2, 6-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0

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TABLE 11B: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-2: LWC TO DECK, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	VAPOR BARRIER (3.1.4)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSF)
				TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
HOT OR TORCH APPLIED BASE PLY:											
LWC-43.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	SBS-CA2, 6-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA, SBS-AA2, SBS-TAF	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
LWC-44.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	SBS-CA2, 6-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	SOPRASMART XP HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART XP HD 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) SBS-TAF	None	SBS-AA or SBS-TAF	-52.5
LWC-45.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	SBS-CA2, 6-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 or SOPRASMART ISO HD 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-60.0
LWC-46.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	SBS-CA2, 6-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-AA2, SBS-TAF	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
SELF-ADHERING BASE PLY:											
LWC-47.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	SBS-CA2, 6-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0

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TABLE 11B: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-2: LWC TO DECK, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	VAPOR BARRIER (3.1.4)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSF)
				TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
LWC-48.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	SBS-CA2, 6-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	DUOTACK	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-TAF	-60.0
LWC-49.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	SBS-CA2, 6-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top suface primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0

TABLE 11C: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	ANCHOR SHEET		VAPOR BARRIER (3.1.4)	BASE INSULATION LAYER(S)		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
PRE-EXISTENT CELLULAR LWC:													
COLD APPLIED BASE PLY:													
LWC-50.	Min. 22 ga., Type BV, Grade 40 steel	Cellular lightweight concrete, Min. 400 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener shall achieve an average withdrawal of 156 lbf when tested per* (4.2.2)	MODIFIED SOPRA G	SOPREMA 1.7 in. Base Sheet Fastener, 9-inch o.c. at 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	(Optional) BP-AA, SBS-AA (sand-surfaced) or SBS-TAF (sand-surfaced)	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r, SOPRA-XPS or Insulfoam EPS	DUOTACK	Min.0.125-inch SOPRABOARD	DUOTACK	SBS-CA3 or SBS-CA4	(Optional) SBS-CA4	SBS-CA3 or SBS-CA4	-45.0
HOT OR TORCH APPLIED BASE PLY:													
LWC-51.	Min. 22 ga., Type BV, Grade 40 steel	Cellular lightweight concrete, Min. 400 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener shall achieve an average withdrawal of 156 lbf when tested per* (4.2.2)	MODIFIED SOPRA G	SOPREMA 1.7 in. Base Sheet Fastener, 9-inch o.c. at 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	(Optional) BP-AA, SBS-AA (sand-surfaced) or SBS-TAF (sand-surfaced)	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r, SOPRA-XPS or Insulfoam EPS	DUOTACK	Min.0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-45.0

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TABLE 11C: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	ANCHOR SHEET		VAPOR BARRIER (3.1.4)	BASE INSULATION LAYER(S)		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
SELF-ADHERING BASE PLY:													
LWC-52.	Min. 22 ga., Type BV, Grade 40 steel	Cellular lightweight concrete, Min. 400 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener shall achieve an average withdrawal of 156 lbf when tested per (4.2.2)*	MODIFIED SOPRA G	SOPREMA 1.7 in. Base Sheet Fastener, 9-inch o.c. at 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	(Optional) BP-AA, SBS-AA (sand-surfaced) or SBS-TAF (sand-surfaced)	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r, SOPRA-XPS or Insulfoam EPS	DUOTACK	Min.0.125-inch SOPRABOARD. Top surface primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-45.0

TABLE 11D: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: LWC TO DECK, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE SHEET			ROOF COVER (3.1.4)		MDP (PSF)
			BASE	FASTENER (4.2.2)	SPACING	BASE PLY(S)	CAP	
CELCORE:								
LWC-53.	Min 22 ga., Type B steel; 5 ft span or structural concrete	Celcore Cellular Concrete, Min. 200 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	MODIFIED SOPRA G,	SOPREMA 1.7 in. Base Sheet Fastener	7-inch o.c. at min. 3-inch laps and 7-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA or SBS-TAF	SBS-CA3, SBS-AA or SBS-TAF	-45.0
LWC-54.	Min. 22 ga., Type B steel; 5 ft span, min. 20 ga., Type N or DR steel; 8 ft span or structural concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	MODIFIED SOPRA G,	SOPREMA 1.7 in. Base Sheet Fastener	9-inch o.c. at 4-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA or SBS-TAF	SBS-CA3, SBS-AA or SBS-TAF	-60.0
LWC-55.	Min. 22 ga., Type B or BV steel; 6 ft span, min. 20 ga., Type N or DR steel; 8 ft span or structural concrete	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	MODIFIED SOPRA G,	SOPREMA 1.7 in. Base Sheet Fastener	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-67.5
LWC-56.	Min. 22 ga., Type BV steel; 5 ft span or structural concrete	Celcore Cellular Concrete, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	MODIFIED SOPRA G,	SOPREMA 1.7 in, Base Sheet Fastener	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TAF	SBS-CA3, SBS-AA, SBS-TAF	-75.0
LWC-57.	Min. 20 ga., Type N or DR steel; 8 ft span	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	MODIFIED SOPRA G,	SOPREMA 1.7 in. Base Sheet Fastener	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TAF	SBS-CA3, SBS-AA, SBS-TAF	-75.0
LWC-58.	Steel or structural concrete	Min. 200 psi Celcore Cellular Concrete	Derbibase	OMG CR Assembled Base Sheet Fastener (1.7") or Perlok-O CRBSF 1.7	7-inch o.c. in the 4-inch lap and 7-inch o.c. at two (2) equally spaced, staggered center rows	APP-TA	APP-TA	-45.0

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TABLE 11D: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: LWC TO DECK, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE SHEET			ROOF COVER (3.1.4)		MDP (PSF)
			BASE	FASTENER (4.2.2)	SPACING	BASE PLY(S)	CAP	
CONCRECEL:								
LWC-59.	Min. 22 ga. Type BV, Grade 80 steel; 5 ft span or structural concrete	Deck treated with Concrecel Bonding Agent; Concrecel Concrete, Min. 300 psi, Min. 2.25-inch top coat. After setting to support foot traffic, Concrecel Curing Compound.	MODIFIED SOPRA G	SOPREMA 1.7 in. Base Sheet Fastener	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TAF	SBS-CA3, SBS-AA, SBS-TAF	-52.5
LWC-60.	Min. 22 ga. Type BV, Grade 80 steel; 5 ft span or structural concrete	Deck treated with Concrecel Bonding Agent; Concrecel Concrete, Min. 300 psi, Min. 2.25-inch top coat. After setting to support foot traffic, Concrecel Curing Compound.	SELECT SBS POLY SANDED	SOPREMA 1.7 in. Base Sheet Fastener	7-inch o.c. at the 4-inch laps and 7-inch o.c. in two equally spaced, staggered center rows	One or two BP-AA, SBS-AA or SBS-TAF	SBS-CA3, SBS-AA or SBS-TAF	-82.5
LWC-61.	Steel or structural concrete	Min. 200 psi Concrecel Concrete	Derbibase	OMG CR Assembled Base Sheet Fastener (1.7") or Perlok-O CRBSF 1.7	7-inch o.c. in the 4-inch lap and 7-inch o.c. at two (2) equally spaced, staggered center rows	APP-TA	APP-TA	-45.0
LWC-62.	Min. 22 ga., type B, Grade 33 vented steel deck or structural concrete	Deck treated with Concrecel Bonding Agent followed by min. 450 psi Concrecel Concrete	Derbibase	OMG CR Assembled Base Sheet Fastener (1.7") or Perlok-O CRBSF 1.7	7-inch o.c. in the 4-inch lap and 7-inch o.c. at two (2) equally spaced, staggered center rows	(Optional) APP-TA	APP-TA	-60.0
ELASTIZELL:								
LWC-63.	Min. 26 ga. steel; 5 ft span or structural concrete	Elastizell Lightweight Insulating Concrete, Min. 200 psi, Min. 2-inch top coat	MODIFIED SOPRA G,	SOPREMA 1.7 in. Base Sheet Fastener or Twin Loc-Nails (1.8 inch)	7½-inch o.c. at the 4-inch lap and 7½-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TAF	SBS-CA3, SBS-AA, SBS-TAF	-30.0
LWC-64.	Min. 22 ga. Type B steel; 6 ft span or structural concrete	Elastizell Lightweight Insulating Concrete, Min. 200 psi, Min. 2.5-inch top coat.	MODIFIED SOPRA G,	SOPREMA 1.7 in. Base Sheet Fastener	7-inch o.c. at the 4-inch laps and 7-inch o.c. in two equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TAF	SBS-CA3, SBS-AA, SBS-TAF	-45.0
LWC-65.	Min. 22 ga., Type BV steel; 5 ft span or structural concrete	Elastizell Lightweight Insulating Concrete, Min. 200 psi, Min. 2-inch top coat	MODIFIED SOPRA G,	SOPREMA 1.7 in. Base Sheet Fastener or SOPREMA Twin Loc-Nails (1.8 inch)	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TAF	SBS-CA3, SBS-AA, SBS-TAF	-45.0
LWC-66.	Steel or structural concrete	Min. 200 psi Range II Elastizell Lightweight Insulating Concrete	Derbibase	OMG CR Assembled Base Sheet Fastener (1.7") or Perlok-O CRBSF 1.7	7-inch o.c. in the 4-inch lap and 7-inch o.c. at two (2) equally spaced, staggered center rows	APP-TA	APP-TA	-45.0

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TABLE 11D: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: LWC TO DECK, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE SHEET			ROOF COVER (3.1.4)		MDP (PSF)
			BASE	FASTENER (4.2.2)	SPACING	BASE PLY(S)	CAP	
MEARLCRETE:								
LWC-67.	Min. 22 ga. Type B steel; 6 ft span or structural concrete	Mearlcrete, Min. 200 psi, Min. 2.5-inch top coat	MODIFIED SOPRA G,	SOPREMA 1.7 in. Base Sheet Fastener	7-inch o.c. at the 4-inch laps and 7-inch o.c. in two equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TAF	SBS-CA3, SBS-AA, SBS-TAF	-45.0
LWC-68.	Min. 22 ga., Type BV steel; 5 ft span or structural concrete	Mearlcrete, Min. 250 psi, Min. 2-inch top coat	MODIFIED SOPRA G,	OMG CR Assembled Base Sheet Fastener (1.7")	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TAF	SBS-CA3, SBS-AA, SBS-TAF	-52.5
SIPLAST NVS INSULATING CONCRETE:								
LWC-69.	Min. 22 ga., Type B, Grade 33 steel at max 6 ft spans or structural concrete	NVS, Min. 310 psi, Min. 1-inch top coat	MODIFIED SOPRA G	SOPREMA 1.2 in. Base Sheet Fastener	9-inch o.c. at the 3.5-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-AA, SBS-AA2 or SBS-TAF	SBS-CA4, SBS-AA, SBS-AA2 or SBS-TAF	-45.0
PRE-EXISTENT CELLULAR LWC:								
LWC-70.	Min. 22 ga. Type B steel; 5 ft span or structural concrete	Cellular lightweight concrete, Min. 300 psi, Min. 2-inch top coat. *Note: 1.8-inch Twin Loc-Nail shall achieve an average withdrawal of 88 lbf when tested per* (4.2.2)	MODIFIED SOPRA G	Min. 1.8-inch Trufast Twin Loc-Nail	9-inch o.c. at 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA or SBS-TAF	SBS-CA3, SBS-AA or SBS-TAF	-60.0
LWC-71.	Min. 22 ga. Type B steel; 5 ft span or structural concrete	Cellular lightweight concrete, Min. 300 psi, Min. 2-inch top coat. *Note: 1.8-inch Twin Loc-Nail shall achieve an average withdrawal of 110 lbf when tested per* (4.2.2)	SELECT SBS POLY SANDED	Min. 1.8-inch Trufast Twin Loc-Nail	9-inch o.c. at 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA or SBS-TAF	SBS-CA3, SBS-AA or SBS-TAF	-75.0

TABLE 11E: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR CWF DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: THERMAL BARRIER TO DECK, VAPOR BARRIER TO THERMAL BARRIER, LWC TO VAPOR BARRIER, NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER			VAPOR BARRIER (3.1.4)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE SHEET			ROOF COVER (3.1.4)		MDP (PSF)
		TYPE	FASTEN (4.2.2)	ATTACH (3.1.2.E)			BASE	FASTENER (4.2.2)	SPACING	BASE PLY	CAP	
CELCORE:												
LWC-72.	Min. 22 ga. Type B steel; 6 ft span	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.6 ft^2	SBS-AA (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	MODIFIED SOPRA G	SOPREMA 1.7 in. Base Sheet Fastener	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-60.0
LWC-73.	Min. 22 ga. Type B steel; 6 ft span	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.6 ft^2	SBS-AA or SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	MODIFIED SOPRA G,	SOPREMA 1.7 in. Base Sheet Fastener	9-inch o.c. at 4-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-60.0

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TABLE 11E: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR CWF DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: THERMAL BARRIER TO DECK, VAPOR BARRIER TO THERMAL BARRIER, LWC TO VAPOR BARRIER, NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

System No.	Deck (4.1.2)	Thermal Barrier			Vapor Barrier (3.1.4)	Lightweight Concrete (3.1.2)	Base Sheet			Roof Cover (3.1.4)		MDP (psf)
		Type	Fasten (4.2.2)	Attach (3.1.2.E)			Base	Fastener (4.2.2)	Spacing	Base Ply	Cap	
LWC-74.	Min. 2-inch Tectum	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	4-inch o.c.	SBS-AA or SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	MODIFIED SOPRA G,	SOPREMA 1.7 in. Base Sheet Fastener	9-inch o.c. at 4-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-60.0
LWC-75.	Min. 22 ga. Type B steel; 6 ft span	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.6 ft^2	SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	MODIFIED SOPRA G,	SOPREMA 1.7 in. Base Sheet Fastener	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-75.0
LWC-76.	Min. 2-inch Tectum	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	4-inch o.c.	SBS-AA or SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	MODIFIED SOPRA G,	SOPREMA 1.7 in. Base Sheet Fastener	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-75.0

TABLE 11F: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: LWC TO DECK, BONDED ROOF COVER

System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)				Roof Cover (3.1.4)				MDP (psf)
		Primer	Type	Treatment	Surfacing	Primer	Base	Ply	Cap	
Celcore:										
LWC-77.	Min. 22 ga., type BV, Grade 40 steel at max. 6 ft spans; 5/8" puddle welds, 6" o.c. or structural concrete	(Optional) Celcore S-1 Deck Preparation Slurry	Pre-existent (> 28 days old) Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, Min. 300 psi, min. 2-inch thick	Celcore PVA Curing Compound	(Optional) Repair LWC spalls with Celcore SBS (Sanded Bonding Surface)	None	SELECT APP POLY GR applied granule-side down in SOPREMA COLPLY EF Adhesive, ribbons max. 6-inch o.c. Side laps torch-sealed	(Optional) APP-TA	APP-TA	-37.5
LWC-78.	Min. 22 ga., type BV, Grade 40 steel at max. 6 ft spans; 5/8" puddle welds, 6" o.c. or structural concrete	(Optional) Celcore S-1 Deck Preparation Slurry	Pre-existent (> 28 days old) Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, Min. 300 psi, min. 2-inch thick	Celcore PVA Curing Compound	None	None	PRS Modified Base applied SOPREMA COLPLY EF Adhesive, ribbons max. 6-inch o.c.	APP-TA	APP-TA	-45.0

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TABLE 11F: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: LWC TO DECK, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)				ROOF COVER (3.1.4)				MDP (PSF)
		PRIMER	TYPE	TREATMENT	SURFACING	PRIMER	BASE	PLY	CAP	
LWC-79.	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span	None	Celcore Cellular Concrete, Min. 380 psi, Min. 2-inch top coat	None	None	(Optional) ASTM D41, ELASTOCOL 500, ELASTOCOL Stick	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3, SBS-CA4,SBS-AA or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-60.0
LWC-80.	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span or min. 20 ga., Type N or DR steel; 8 ft span	Celcore S-1 Deck Preparation Slurry	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 340 psi, Min. 2-inch top coat	Celcore PVA Curing Compound	None	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-60.0
LWC-81.	Min. 20 ga., Type N or DR steel; 8 ft span	Celcore S-1 Deck Preparation Slurry	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 340 psi, Min. 2-inch top coat	Celcore PVA Curing Compound	None	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-75.0
LWC-82.	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span	Celcore S-1 Deck Preparation Slurry	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 340 psi, Min. 2-inch top coat	Celcore PVA Curing Compound	None	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-90.0
CONCRECEL:										
LWC-83.	Min. 22 ga., Type BV, Grade 80 steel; 5 ft span	Concrecel Bonding Agent at 1200 ft2/gal.	Concrecel Concrete, Min. 300 psi, min. 2.25-inch top coat	Concrecel Curing Compound	None	(Optional) ASTM D41, ELASTOCOL 500, ELASTOCOL Stick	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-60.0
ELASTIZELL:										
LWC-84.	Min. 22 ga., Type BV, Grade 33 steel; 6 ft span	None	Elastizell Lightweight Insulating Concrete with Zell-Crete Fibers, Min. 710 psi, min. 2-inch top coat	None	None	(Optional) ASTM D41, ELASTOCOL 500, ELASTOCOL Stick	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-60.0

TABLE 11G: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: THERMAL BARRIER TO DECK, VAPOR BARRIER TO THERMAL BARRIER, LWC TO VAPOR BARRIER, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER			VAPOR BARRIER (3.1.4)	LIGHTWEIGHT CONCRETE (3.1.2)	ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (4.2.2)	ATTACH			BASE PLY	PLY	CAP PLY	
CELCORE:										
LWC-85.	Min. 22 ga. Type B, Grade 33 steel; 6 ft span	Min. 0.625-inch DensDeck Prime	SOPREMA #14 MP with SOPREMA 3" Metal Insulation Plate	1 per 1.8 ft^2	SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 340 psi, Min. 2-inch top coat. After setting to support foot traffic, Celcore PVA Curing Compound.	SBS-CA2, 6-inch o.c.	(Optional) SBS-TAF	SBS-TAF	-82.5

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TABLE 11H: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION
SYSTEM TYPE F: LWC TO DECK OR TO TEMPORARY ROOF, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

SYSTEM NO.	DECK (4.1.2)	VAPOR BARRIER (3.1.4)	LIGHTWEIGHT CONCRETE (3.1.2)		ROOF COVER (3.1.4)				MDP (PSF)
			TYPE	SURFACE TREATMENT	PRIMER	BASE	PLY	CAP	
CELCORE:									
LWC-86.	Structural Concrete	Table VB-4	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, or Celcore Cellular Concrete, Min. 380 psi, Min. 2-inch top coat.	Celcore PVA Curing Compound	(Optional) ASTM D41, ELASTOCOL 500, ELASTOCOL Stick	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA4, SBS-AA or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-60.0
LWC-87.	Structural Concrete	Table VB-4	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat	Celcore PVA Curing Compound	ASTM D41	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	-262.5
LWC-88.	Structural Concrete (primed)	SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat	Celcore PVA Curing Compound	ASTM D41	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	-360.0
LWC-89.	Structural Concrete	None	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 330 psi, Min. 2-inch top coat	Celcore PVA Curing Compound	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-180.0
LWC-90.	Structural Concrete (primed)	SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 330 psi, Min. 2-inch top coat	Celcore PVA Curing Compound	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-180.0
LWC-91.	Structural Concrete	None	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 330 psi, Min. 2-inch top coat	Celcore PVA Curing Compound	None	SBS-CA3	(Optional) SBS-CA4	SBS-CA4	-382.5
LWC-92.	Structural Concrete (primed)	SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 330 psi, Min. 2-inch top coat	Celcore PVA Curing Compound	None	SBS-CA3	(Optional) SBS-CA4	SBS-CA4	-382.5
LWC-93.	Structural Concrete	None	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 330 psi, Min. 2-inch top coat	Celcore PVA Curing Compound	None	SBS-CA3	(Optional) SBS-CA3, SBS-AA or SBS-TAF	SBS-CA3, SBS-AA or SBS-TAF	-445.0
LWC-94.	Structural Concrete (primed)	SBS-TAF (sanded top)	Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 330 psi, Min. 2-inch top coat	Celcore PVA Curing Compound	None	SBS-CA3	(Optional) SBS-CA3, SBS-AA or SBS-TAF	SBS-CA3, SBS-AA or SBS-TAF	-445.0
CONCRECEL:									
LWC-95.	Structural Concrete	(Optional) Asphaltic plies with asphalt flood coat	Concrecel Bonding Agent followed by Concrecel Concrete, Min. 300 psi, Min. 2-inch top coat	Concrecel Curing Compound	(Optional) ASTM D41, ELASTOCOL 500, ELASTOCOL Stick	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA4, SBS-AA or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-60.0
LWC-96.	Structural concrete	None	Concrecel Concrete, Min. 340 psi, Min. 2-inch top coat	None	None	SBS-CA3	(Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-127.5

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TABLE 11H: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION
SYSTEM TYPE F: LWC TO DECK OR TO TEMPORARY ROOF, BONDED ROOF COVER
REFER TO TABLE VB-4 FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

System No.	Deck (4.1.2)	Vapor Barrier (3.1.4)	Lightweight Concrete (3.1.2)		Roof Cover (3.1.4)				MDP (psf)
			Type	Surface Treatment	Primer	Base	Ply	Cap	
Elastizell:									
LWC-97.	Structural Concrete	Table VB-4	Elastizell Lightweight Insulating Concrete, Min. 300 psi, Min. 2-inch top coat.	None	(Optional) ASTM D41, ELASTOCOL 500, ELASTOCOL Stick	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA4, SBS-AA or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-60.0
Pre-Existent Cellular LWC:									
LWC-98.	Structural Concrete	Table VB-4	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	None	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF	-60.0
LWC-99.	Structural Concrete	None	Cellular lightweight concrete, Min. 350 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	None	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-180.0
LWC-100.	Structural Concrete (primed)	SBS-TAF (sanded top)	Cellular lightweight concrete, Min. 350 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per* (4.2.2)	None	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF	-180.0
LWC-101.	Structural Concrete	None	Cellular lightweight concrete, Min. 400 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener shall achieve an average withdrawal of 156 lbf when tested per* (4.2.2)	None	None	SBS-CA3	(Optional) SBS-CA3, SBS-AA or SBS-TAF	SBS-CA3, SBS-AA or SBS-TAF	-270.0
LWC-102.	Structural Concrete (primed)	SBS-TAF (sanded top)	Cellular lightweight concrete, Min. 400 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener shall achieve an average withdrawal of 156 lbf when tested per* (4.2.2)	None	None	SBS-CA3	(Optional) SBS-CA3, SBS-AA or SBS-TAF	SBS-CA3, SBS-AA or SBS-TAF	-300.0
LWC-103.	Structural Concrete	None	Cellular lightweight concrete, Min. 400 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener shall achieve an average withdrawal of 156 lbf when tested per* (4.2.2).	None	None	APP-CA2, side laps torch-sealed	(Optional) APP-TA	APP-TA	-165.0

TABLE 12A: CEMENTITIOUS WOOF FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-5 FOR VAPOR BARRIER OPTIONS

System No.	Deck (4.1.2)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)
		Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
Cold Applied Base Ply:									
CWF-1.	Min. 2-inch Tectum Plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-285.0

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TABLE 12A: CEMENTITIOUS WOOF FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-5 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
CWF-2.	Min. 2-inch Tectum Plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-190.0
CWF-3.	Min. 2-inch Tectum Plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 6-inch o.c.	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-285.0
CWF-4.	Min. 2-inch Tectum Plank	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 4-inch o.c.	None	N/A	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-285.0
CWF-5.	Min. 2-inch Tectum Plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-163.0
CWF-6.	Min. 2-inch Tectum Plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 6-inch o.c.	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-185.0
CWF-7.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	N/A	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-185.0
CWF-8.	Min. 2-inch Tectum Plank	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or Multi-Max FA-3	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-75.0
CWF-9.	Min. 2-inch Tectum Plank	Min. 0.125-inch SOPRABOARD	DUOTACK 365 or DUOTACK SPF HFO, 6-inch o.c.	None	N/A	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-272.5
CWF-10.	Min. 2-inch Tectum Plank	SOPRASMART Board 180 Sanded	DUOTACK 365 or DUOTACK SPF HFO, 6-inch o.c.	None	N/A	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-272.5
CWF-11.	Min. 2-inch Tectum Plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK 365 or DUOTACK SPF HFO, 6-inch o.c.	Min. 0.125-inch SOPRABOARD	DUOTACK 365 or DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-272.5
CWF-12.	Min. 2-inch Tectum Plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK 365 or DUOTACK SPF HFO, 6-inch o.c.	SOPRASMART Board 180 Sanded	DUOTACK 365 or DUOTACK SPF HFO	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-272.5

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TABLE 12A: CEMENTITIOUS WOOF FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-5 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
HOT- OR TORCH-APPLIED BASE PLY:									
CWF-13.	Min. 2-inch Tectum Plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-285.0
CWF-14.	Min. 2-inch Tectum Plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-AA, SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-190.0
CWF-15.	Min. 2-inch Tectum Plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 6-inch o.c.	SBS-AA, SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-285.0
CWF-16.	Min. 2-inch Tectum Plank	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 4-inch o.c.	None	N/A	SBS-AA, SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-285.0
CWF-17.	Min. 2-inch Tectum Plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	SBS-AA, SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-163.0
CWF-18.	Min. 2-inch Tectum Plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 6-inch o.c.	SBS-AA, SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-185.0
CWF-19.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	N/A	SBS-AA, SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-185.0
CWF-20.	Min. 2-inch Tectum Plank	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or Multi-Max FA-3	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-AA, SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-75.0
CWF-21.	Min. 2-inch Tectum Plank	Min. 0.125-inch SOPRABOARD	DUOTACK 365 or DUOTACK SPF HFO, 6-inch o.c.	None	N/A	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-272.5
CWF-22.	Min. 2-inch Tectum Plank	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK 365 or DUOTACK SPF HFO, 6-inch o.c.	None	N/A	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-272.5
CWF-23.	Min. 2-inch Tectum Plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK 365 or DUOTACK SPF HFO, 6-inch o.c.	Min. 0.125-inch SOPRABOARD	DUOTACK 365 or DUOTACK SPF HFO	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-272.5

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TABLE 12A: CEMENTITIOUS WOOF FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-5 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
CWF-24.	Min. 2-inch Tectum Plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK 365 or DUOTACK SPF HFO, 6-inch o.c.	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK 365 or DUOTACK SPF HFO	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-272.5
CWF-25.	Min. 2-inch Tectum Plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	APP-TA	(Optional) APP-TA	APP-TA	-163.0
CWF-26.	Min. 2-inch Tectum Plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 6-inch o.c.	APP-TA	(Optional) APP-TA	APP-TA	-185.0
CWF-27.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	N/A	APP-TA	(Optional) APP-TA	APP-TA	-185.0
SELF-ADHERING BASE PLY:									
CWF-28.	Min. 2-inch Tectum Plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-150.0
CWF-29.	Min. 2-inch Tectum Plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA or SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA	-270.0
CWF-30.	Min. 2-inch Tectum Plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-285.0
CWF-31.	Min. 2-inch Tectum Plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-190.0
CWF-32.	Min. 2-inch Tectum Plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-285.0
CWF-33.	Min. 2-inch Tectum Plank	Min. 7/16-inch DEXcell Cement Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK, 4-inch o.c.	None	N/A	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-285.0
CWF-34.	Min. 2-inch Tectum Plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-163.0
CWF-35.	Min. 2-inch Tectum Plank	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-185.0
CWF-36.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK, 4-inch o.c.	None	N/A	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-185.0

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TABLE 12A: CEMENTITIOUS WOOF FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-5 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
CWF-37.	Min. 2-inch Tectum Plank	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or Multi-Max FA-3	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-75.0
CWF-38.	Min. 2-inch Tectum Plank	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK 365 or DUOTACK SPF HFO, 6-inch o.c.	None	N/A	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-270.0
CWF-39.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	DUOTACK 365 or DUOTACK SPF HFO, 6-inch o.c.	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick Zero	DUOTACK 365 or DUOTACK SPF HFO	SBS-SA1	SBS-SA1	(Optional) SBS-AA, SBS-TAF	-270.0

TABLE 12B: CEMENTITIOUS WOOF FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-3: BONDED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER		PRIMER	VAPOR BARRIER (3.1.4)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
COLD APPLIED BASE PLY:													
CWF-40.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	SBS-CA3, SBS-AA or SBS-TAF	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-163.0
CWF-41.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R, self-adhering or SBS-SA1	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-163.0
CWF-42.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	SBS-CA3, SBS-AA or SBS-TAF	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 6-inch o.c.	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-185.0

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TABLE 12B: CEMENTITIOUS WOOF FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-3: BONDED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Thermal Barrier		Primer	Vapor Barrier (3.1.4)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)
		Type	Attach (3.1.3)			Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
CWF-43.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R, self-adhering or SBS-SA1	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 6-inch o.c.	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-185.0
HOT- OR TORCH-APPLIED BASE PLY:													
CWF-44.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	SBS-CA3, SBS-AA or SBS-TAF	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-AA, SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-163.0
CWF-45.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	ELASTOCOL STICK or ELASTOCOL STICK Zero	SOPRAVAP'R, self-adhering or SBS-SA1	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-AA, SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-163.0
CWF-46.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	SBS-CA3, SBS-AA or SBS-TAF	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 6-inch o.c.	SBS-AA, SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-185.0
CWF-47.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	ELASTOCOL STICK or ELASTOCOL STICK Zero	SOPRAVAP'R, self-adhering or SBS-SA1	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 6-inch o.c.	SBS-AA, SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-185.0
CWF-48.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	SBS-TAF	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	APP-TA	(Optional) APP-TA	APP-TA	-163.0
CWF-49.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	ELASTOCOL STICK or ELASTOCOL STICK Zero	SOPRAVAP'R, self-adhering or SBS-SA1	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	APP-TA	(Optional) APP-TA	APP-TA	-163.0

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TABLE 12B: CEMENTITIOUS WOOF FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-3: BONDED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Thermal Barrier		Primer	Vapor Barrier (3.1.4)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)
		Type	Attach (3.1.3)			Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
CWF-50.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	SBS-TA(PRS)	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 6-inch o.c.	APP-TA	(Optional) APP-TA	APP-TA	-185.0
CWF-51.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	ELASTOCOL STICK or ELASTOCOL STICK Zero	SOPRAVAP'R, self-adhering or SBS-SA1	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 6-inch o.c.	APP-TA	(Optional) APP-TA	APP-TA	-185.0
Self-Adhering Base Ply:													
CWF-52.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	SBS-CA3, SBS-AA or SBS-TAF	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-163.0
CWF-53.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R, self-adhering or SBS-SA1	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-163.0
CWF-54.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	SBS-CA3, SBS-AA or SBS-TAF	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-185.0
CWF-55.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R, self-adhering or SBS-SA1	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-185.0

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TABLE 12C: CEMENTITIOUS WOOF FIBER DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (3.1.4)			MDP (psf)
		Type	Fasten (4.2.2)	Attach	Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
Cold Applied Base Ply:												
CWF-56.	Min. 2-inch Tectum Plank	MODIFIED SOPRA G	Min. 1.8-inch SOPREMA Twin Loc-Nail	9-inch o.c. at 3-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	hot asphalt	(Optional) Min. 0.25-inch DensDeck Prime	hot asphalt	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-30.0*
CWF-57.	Min. 2-inch Tectum Plank	MODIFIED SOPRA G	Min. 1.8-inch SOPREMA Twin Loc-Nail	9-inch o.c. at 3-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	DUOTACK	(Optional) Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-30.0*
Hot or Torch Applied Base Ply:												
CWF-58.	Min. 2-inch Tectum Plank	MODIFIED SOPRA G	Min. 1.8-inch SOPREMA Twin Loc-Nail	9-inch o.c. at 3-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	hot asphalt	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating or min. 0.25-inch DensDeck or DensDeck Prime	hot asphalt	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-30.0*
CWF-59.	Min. 2-inch Tectum Plank	MODIFIED SOPRA G	Min. 1.8-inch SOPREMA Twin Loc-Nail	9-inch o.c. at 3-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	hot asphalt	Min. 0.25-inch DensDeck or DensDeck Prime	hot asphalt	SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-30.0*
CWF-60.	Min. 2-inch Tectum Plank	SELECT SBS POLY SANDED	Min. 1.8-inch SOPREMA Twin Loc-Nail	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	hot asphalt	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck. Optional ELASTOCOL 500, ELASTOCOL STICK.	hot asphalt	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-60.0
CWF-61.	Min. 2-inch Tectum Plank	MODIFIED SOPRA G	Min. 1.8-inch SOPREMA Twin Loc-Nail	9-inch o.c. at 3-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	DUOTACK	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating or min. 0.25-inch DensDeck or DensDeck Prime	DUOTACK	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-30.0*
CWF-62.	Min. 2-inch Tectum Plank	MODIFIED SOPRA G	Min. 1.8-inch SOPREMA Twin Loc-Nail	9-inch o.c. at 3-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	DUOTACK	Min. 0.25-inch DensDeck or DensDeck Prime	DUOTACK	SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-30.0*
CWF-63.	Min. 2-inch Tectum Plank	SELECT SBS POLY SANDED	Min. 1.8-inch SOPREMA Twin Loc-Nail	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	DUOTACK, 6-inch o.c.	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck. Optional ELASTOCOL 500, ELASTOCOL STICK.	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-CA4, SBS-AA, SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-45.0

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TABLE 12C: CEMENTITIOUS WOOF FIBER DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (3.1.4)			MDP (psf)
		Type	Fasten (4.2.2)	Attach	Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
CWF-64.	Min. 2-inch Tectum Plank	SELECT SBS POLY SANDED	Min. 1.8-inch SOPREMA Twin Loc-Nail	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	DUOTACK, 6-inch o.c.	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-45.0
Self-Adhering Base Ply:												
CWF-65.	Min. 2-inch Tectum Plank	MODIFIED SOPRA G	Min. 1.8-inch SOPREMA Twin Loc-Nail	9-inch o.c. at 3-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	hot asphalt	Min. 0.25-inch DensDeck primed with D41 primer, ELASTOCOL Stick or ELASTOCOL Stick Zero or DensDeck Prime	hot asphalt	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-30.0*
CWF-66.	Min. 2-inch Tectum Plank	SELECT SBS POLY SANDED	Min. 1.8-inch SOPREMA Twin Loc-Nail	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	hot asphalt	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck. Top surface shall be primed with ELASTOCOL 500, ELASTOCOL Stick, ELASTOCOL Stick Zero	hot asphalt	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	SBS-CA4, SBS-AA, SBS-TAF	-60.0
CWF-67.	Min. 2-inch Tectum Plank	MODIFIED SOPRA G	Min. 1.8-inch SOPREMA Twin Loc-Nail	9-inch o.c. at 3-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	DUOTACK	Min. 0.25-inch DensDeck primed with D41 primer, ELASTOCOL Stick or ELASTOCOL Stick Zero or DensDeck Prime	DUOTACK	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-30.0*
CWF-68.	Min. 2-inch Tectum Plank	SELECT SBS POLY SANDED	Min. 1.8-inch SOPREMA Twin Loc-Nail	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	DUOTACK, 6-inch o.c.	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck. Top surface shall be primed with ELASTOCOL 500, ELASTOCOL Stick, ELASTOCOL Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1	SBS-CA4, SBS-AA, SBS-TAF	-45.0
CWF-69.	Min. 2-inch Tectum Plank	SELECT SBS POLY SANDED	Min. 1.8-inch SOPREMA Twin Loc-Nail	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	DUOTACK, 6-inch o.c.	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL STICK Zero	DUOTACK, 6-inch o.c.	(Optional) SBS-SA1	None	SBS-TAF	-45.0

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TABLE 12D: CEMENTITIOUS WOOF FIBER DECKS – REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Base Insulation Layer(s) (3.1.2)	Top Insulation Layer			Roof Cover (3.1.4)			MDP (psf)
			Type	Fastener (4.2.2)	Attach (3.1.2.E)	Base	Ply	Cap	
Cold Applied Base Ply:									
CWF-70.	Min. 2-inch Tectum Plank	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	OMG Polymer GypTec fastener & plate	1 per 2.6 ft^2	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-30.0*
CWF-71.	Min. 2-inch Tectum Plank	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	OMG Polymer GypTec fastener & plate	1 per 2.0 ft^2	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
Hot or Torch Applied Base Ply:									
CWF-72.	Min. 2-inch Tectum Plank	One or more layers, any combination, loose laid	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	OMG Polymer GypTec fastener & plate	1 per 2.0 ft^2	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-30.0*
CWF-73.	Min. 2-inch Tectum Plank	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck or DensDeck Prime	OMG Polymer GypTec fastener & plate	1 per 2.6 ft^2	BP-AA, SBS-AA, SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-30.0*
CWF-74.	Min. 2-inch Tectum Plank	One or more layers, any combination, loose laid	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	OMG Polymer GypTec fastener & plate	1 per 1.3 ft^2	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-45.0*
CWF-75.	Min. 2-inch Tectum Plank	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck or DensDeck Prime	OMG Polymer GypTec fastener & plate	1 per 2.0 ft^2	BP-AA, SBS-AA, SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-45.0*
Self-Adhering Base Ply:									
CWF-76.	Min. 2-inch Tectum Plank	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck primed with D41 primer, ELASTOCOL Stick or ELASTOCOL Stick Zero or DensDeck Prime	OMG Polymer GypTec fastener & plate	1 per 2.6 ft^2	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-30.0*
CWF-77.	Min. 2-inch Tectum Plank	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck primed with D41 primer, ELASTOCOL Stick or ELASTOCOL Stick Zero or DensDeck Prime	OMG Polymer GypTec fastener & plate	1 per 2.0 ft^2	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-45.0*

TABLE 12E: CEMENTITIOUS WOOD FIBER DECKS – REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

System No.	Deck (4.1.2)	Insulation (3.1.2)	Base Sheet			Roof Cover (3.1.4)		MDP (psf)
			Base	Fastener (4.2.2)	Spacing	Ply	Cap	
CWF-78.	Min. 2-inch Tectum Plank	One or more layers, any combination	SELECT SBS POLY SANDED	SOPREMA Twin Loc-Nail, min. 1.3-inch embedment	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-AA, SBS-TAF or SBS-SA1	SBS-AA, SBS-TAF	-60.0
CWF-79.	Min. 2-inch Tectum Plank	One or more layers, any combination	SELECT SBS POLY SANDED	SOPREMA Twin Loc-Nail, min. 1.3-inch embedment	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-CA4	SBS-CA4, SBS-AA, SBS-TAF	-60.0

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TABLE 12F: CEMENTITIOUS WOOD FIBER DECKS – REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE SHEET			ROOF COVER (3.1.4)		MDP (PSF)
		BASE	FASTENER (4.2.2)	SPACING	BASE PLY	CAP	
CWF-80.	Min. 2-inch Tectum Plank	SELECT SBS POLY SANDED or SELECT SBS POLY SANDED	SOPREMA Twin Loc-Nail, min. 1.3-inch embedment	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-AA, SBS-TAF or SBS-SA1	SBS-AA, SBS-TAF	-60.0
CWF-81.	Min. 2-inch Tectum Plank	SELECT SBS POLY SANDED	SOPREMA Twin Loc-Nail, min. 1.3-inch embedment	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-CA4	SBS-CA4, SBS-AA, SBS-TAF	-60.0

TABLE 13A: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-6 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2, 4.2.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
COLD APPLIED BASE PLY:									
G-1.	Existing gypsum deck	Min. 1.5-inch SOPRA-ISO s, ENRGY 3 or SOPRA-ISO r,	DUOTACK	(Optional) Additional layers of base insulation	DUOTACK	SBS-CA2, 12-inch o.c.	(Optional) SBS-CA3, SBS-AA, SBS-TAF or SBS-SA1	SBS-CA3, SBS-AA, SBS-TAF	-67.5
G-2.	Existing gypsum deck	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-115.0
G-3.	Existing gypsum deck	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	SOPRASMART XP HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-52.5
G-4.	Existing gypsum deck	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-162.5
G-5.	Existing gypsum deck	(Optional) Min. 1.4-inch SOPRA-ISO s, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-60.0
G-6.	Existing gypsum deck	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA3	None	SBS-CA3	-162.5
G-7.	Existing gypsum deck	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-105.0
G-8.	Existing gypsum deck	(Optional) Min. 1.5-inch, Insulfoam EPS	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA3	None	SBS-CA3	-152.5
G-9.	Existing gypsum deck	(Optional) Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA3	None	SBS-CA3	-162.5

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TABLE 13A: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-6 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2, 4.2.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
G-10.	Existing gypsum deck	Min. 1.5-inch, Insulfoam EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	-240.0
G-11.	Existing gypsum deck	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	None	N/A	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-245.0
G-12.	Existing gypsum deck	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-257.5
HOT OR TORCH APPLIED BASE PLY:									
G-13.	Existing gypsum deck	(Optional) Min. 1.5-inch, Insulfoam EPS	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-152.5
G-14.	Existing gypsum deck	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-155.0
G-15.	Existing gypsum deck	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	SOPRASMART XP HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART XP HD 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) SBS-TAF	None	SBS-AA or SBS-TAF	-52.5
G-16.	Existing gypsum deck	(Optional) Min. 1.5-inch, Insulfoam EPS	DUOTACK	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-152.5
G-17.	Existing gypsum deck	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 or SOPRASMART ISO HD 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-162.5
G-18.	Existing gypsum deck	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	Min. 0.25-inch DensDeck	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-162.5
G-19.	Existing gypsum deck	(Optional) Min. 1.5-inch, Insulfoam EPS	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-TAF	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-152.5
G-20.	Existing gypsum deck	(Optional) Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-TAF	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-162.5
G-21.	Existing gypsum deck	Min. 1.5-inch, Insulfoam EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-240.0

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TABLE 13A: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-6 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2, 4.2.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
G-22.	Existing gypsum deck	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	None	N/A	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-245.0
G-23.	Existing gypsum deck	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-257.5
G-24.	Existing gypsum deck	(Optional) Min. 1.5-inch SOPRA-ISO s, ENRGY 3, EnergyGuard POLYISO Insulation, SOPRA-ISO r or Multi-Max FA-3	M-OSFA	Min. 0.125-inch SOPRABOARD	M-OSFA	APP-TA	(Optional) APP-TA	APP-TA	-155.0
G-25.	Existing gypsum deck	(Optional) Min. 1.5-inch, Insulfoam EPS	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	APP-TA	(Optional) APP-TA	APP-TA	-152.5
G-26.	Existing gypsum deck	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	APP-TA	(Optional) APP-TA	APP-TA	-155.0
G-27.	Existing gypsum deck	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	APP-TA	(Optional APP-TA	APP-TA	-160.0
G-28.	Existing gypsum deck	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	APP-TA	(Optional APP-TA	APP-TA	-162.5
G-29.	Existing gypsum deck	(Optional) Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	DUOTACK SPF HFO	Min. 0.125-inch SOPRABOARD	DUOTACK SPF HFO	APP-TA	(Optional) APP-TA	APP-TA	-157.5
G-30.	Existing gypsum deck	Min. 2.0-inch SOPRA-ISO s	DUOTACK SPF HFO	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	APP-TA	(Optional) APP-TA	APP-TA	-232.5
SELF-ADHERING BASE PLY:									
G-31.	Existing gypsum deck	(Optional) Min. 1.5-inch, Insulfoam EPS	M-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA	SBS-SA1	(Optional) APP-TA	APP-TA	-152.5
G-32.	Existing gypsum deck	(Optional) Min. 1.5-inch, Insulfoam EPS	M-OSFA	Min. 0.125-inch SOPRABOARD	M-OSFA	SBS-SA1	(Optional) APP-TA	APP-TA	-152.5
G-33.	Existing gypsum deck	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, ENRGY 3 or Multi-Max FA-3	M-OSFA	(Optional) Additional layers of base insulation	M-OSFA	SBS-SA1	(Optional) APP-TA	APP-TA	-155.0
G-34.	Existing gypsum deck	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, ENRGY 3, EnergyGuard POLYISO INSULATION or Multi-Max FA-3	M-OSFA	Min. 0.125-inch SOPRABOARD	M-OSFA	SBS-SA1	(Optional) APP-TA	APP-TA	-155.0

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TABLE 13A: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-6 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2, 4.2.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
G-35.	Existing gypsum deck	(Optional) Min. 2-inch SOPRA-ISO s, SOPRA-ISO r, ENRGY 3, EnergyGuard POLYISO INSULATION or Multi-Max FA-3	M-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA	SBS-SA1	(Optional) APP-TA	APP-TA	-172.5
G-36.	Existing gypsum deck	(Optional) Min. 1.5-inch, Insulfoam EPS	DUOTACK SPF HFO	Min. 0.125-inch SOPRABOARD	DUOTACK SPF HFO	SBS-SA1	(Optional) APP-TA	APP-TA	-87.5
G-37.	Existing gypsum deck	(Optional) Min. 1.5-inch, Insulfoam EPS	DUOTACK SPF HFO	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-SA1	(Optional) APP-TA	APP-TA	-87.5
G-38.	Existing gypsum deck	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, ENRGY 3 or Multi-Max FA-3	DUOTACK SPF HFO	(Optional) Additional layers of base insulation	DUOTACK SPF HFO	SBS-SA1	(Optional) APP-TA	APP-TA	-155.0
G-39.	Existing gypsum deck	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, ENRGY 3 or Multi-Max FA-3	DUOTACK SPF HFO	Min. 0.125-inch SOPRABOARD	DUOTACK SPF HFO	SBS-SA1	(Optional) APP-TA	APP-TA	-155.0
G-40.	Existing gypsum deck	(Optional) Min. 2-inch SOPRA-ISO s, SOPRA-ISO r, ENRGY 3 or Multi-Max FA-3	DUOTACK SPF HFO	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-SA1	(Optional) APP-TA	APP-TA	-172.5
G-41.	Existing gypsum deck	(Optional) Min. 1.5-inch Insulfoam EPS or Min. 1.5-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA-3	DUOTACK	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA-3.	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-150.0
G-42.	Existing gypsum deck	Min. 1.5-inch, Insulfoam EPS	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-152.5
G-43.	Existing gypsum deck	(Optional) Min. 2-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA-3	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-162.5
G-44.	Existing gypsum deck	Min. 1.5-inch, Insulfoam EPS	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-152.5
G-45.	Existing gypsum deck	(Optional) Min. 2-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA-3	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-162.5

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TABLE 13A: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO TABLE VB-6 FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2, 4.2.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE	PLY	CAP	
G-46.	Existing gypsum deck	Min. 1.5-inch, Insulfoam EPS	DUOTACK	Min. 0.25-inch DensDeck Prime primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-152.5
G-47.	Existing gypsum deck	(Optional) Min. 2-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA-3	DUOTACK	Min. 0.25-inch DensDeck Prime primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-162.5
G-48.	Existing gypsum deck	(Optional) Min. 1.5-inch Insulfoam EPS or Min. 1.5-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA-3	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-120.0
G-49.	Existing gypsum deck	Min. 1.5-inch Insulfoam EPS	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-152.5
G-50.	Existing gypsum deck	(Optional) Min. 2-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA-3	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-162.5
G-51.	Existing gypsum deck	(Optional) Min. 1-inch ACFoam II, Min. 1.5-inch ACFoam III, H-Shield, H-Shield CG or Ultra-Max or Min. 1.5-inch Insulfoam EPS	DUOTACK SPF HFO	Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-190.0
G-52.	Existing gypsum deck	(Optional) Min. 1-inch ACFoam II, Min. 1.5-inch ACFoam III, H-Shield, H-Shield CG or Ultra-Max or Min. 1.5-inch Insulfoam EPS	DUOTACK SPF HFO	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF	-215.0
G-53.	Existing gypsum deck	Min. 1.5-inch, Insulfoam EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-240.0
G-54.	Existing gypsum deck	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	None	N/A	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-245.0
G-55.	Existing gypsum deck	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-257.5

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TABLE 13B: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE A-2: VAPOR BARRIER TO DECK, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2, 4.2.2)	Vapor Barrier (3.1.4)	Lightweight Concrete (3.1.2)	Base Insulation Layer		Coverboard		Roof Cover (3.1.4)			MDP (psf)
				Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
Cold Applied Base Ply:											
G-56.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
G-57.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA4	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
G-58.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	SOPRASMART XP HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-52.5
G-59.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-60.0
G-60.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
G-61.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
G-62.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	SBS-CA3	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0

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TABLE 13B: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE A-2: VAPOR BARRIER TO DECK, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2, 4.2.2)	Vapor Barrier (3.1.4)	Lightweight Concrete (3.1.2)	Base Insulation Layer		Coverboard		Roof Cover (3.1.4)			MDP (psf)
				Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
G-63.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
Hot or Torch Applied Base Ply:											
G-64.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA, SBS-AA2, SBS-TAF	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
G-65.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	SOPRASMART XP HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART XP HD 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) SBS-TAF	None	SBS-AA or SBS-TAF	-52.5
G-66.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 or SOPRASMART ISO HD 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-60.0
G-67.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-AA2, SBS-TAF	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
G-68.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	BP-AA, SBS-AA, SBS-AA2, SBS-TAF	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
G-69.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-AA2, SBS-TAF	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0

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TABLE 13B: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE A-2: VAPOR BARRIER TO DECK, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2, 4.2.2)	Vapor Barrier (3.1.4)	Lightweight Concrete (3.1.2)	Base Insulation Layer		Coverboard		Roof Cover (3.1.4)			MDP (psf)
				Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
G-70.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-AA2, SBS-TAF	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
Self-Adhering Base Ply:											
G-71.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
G-72.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL STICK Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-TAF	-60.0
G-73.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
G-74.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.25-inch DensDeck Prime primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
G-75.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0
G-76.	Existing gypsum deck	SBS-CA2 (sanded top), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board primed with ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0

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TABLE 13C: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (3.1.4)			MDP (psf)
		Type	Fastener (4.2.2)	Attach	Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
Cold Applied Base Ply:												
G-77.	Existing gypsum deck	MODIFIED SOPRA G	SOPREMA Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	hot asphalt	(Optional) Min. 0.25-inch DensDeck Prime	hot asphalt	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-30.0*
G-78.	Existing gypsum deck	MODIFIED SOPRA G	SOPREMA Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	hot asphalt	(Optional) Min. 0.25-inch DensDeck Prime	hot asphalt	SBS-CA3	None	SBS-CA3	-30.0*
G-79.	Existing gypsum deck	MODIFIED SOPRA G	SOPREMA Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	DUOTACK	(Optional) Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-30.0*
G-80.	Existing gypsum deck	MODIFIED SOPRA G	SOPREMA Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	DUOTACK	(Optional) Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA3	None	SBS-CA3	-30.0*
Hot or Torch Applied Base Ply:												
G-81.	Existing gypsum deck	MODIFIED SOPRA G	SOPREMA Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	hot asphalt	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating or min. 0.25-inch DensDeck or DensDeck Prime	hot asphalt	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-30.0*
G-82.	Existing gypsum deck	MODIFIED SOPRA G	SOPREMA Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	hot asphalt	Min. 0.25-inch DensDeck or DensDeck Prime	hot asphalt	SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-30.0*
G-83.	Existing gypsum deck	MODIFIED SOPRA G	SOPREMA Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	DUOTACK	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating or min. 0.25-inch DensDeck or DensDeck Prime	DUOTACK	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-30.0*
G-84.	Existing gypsum deck	MODIFIED SOPRA G	SOPREMA Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	DUOTACK	Min. 0.25-inch DensDeck or DensDeck Prime	DUOTACK	SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-30.0*

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TABLE 13C: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (3.1.4)			MDP (psf)
		Type	Fastener (4.2.2)	Attach	Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
Self-Adhering Base Ply:												
G-85.	Existing gypsum deck	MODIFIED SOPRA G	SOPREMA Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	hot asphalt	Min. 0.25-inch DensDeck primed with D41 primer, ELASTOCOL Stick or ELASTOCOL Stick Zero or DensDeck Prime	hot asphalt	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-30.0*
G-86.	Existing gypsum deck	MODIFIED SOPRA G	SOPREMA Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch SOPRA-ISO s or SOPRA-ISO r	DUOTACK	Min. 0.25-inch DensDeck primed with D41 primer, ELASTOCOL Stick or ELASTOCOL Stick Zero or DensDeck Prime	DUOTACK	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-30.0*

TABLE 13D: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Base Insulation Layer(s) (3.1.2)	Top Insulation Layer			Roof Cover (3.1.4)			MDP (psf)
			Type	Fastener (4.2.2)	Attach (3.1.2.E)	Base	Ply	Cap	
Cold Applied Base Ply:									
G-87.	Existing gypsum deck	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	OMG Polymer GypTec fastener & plate (Field W/D ≥ 156 lbf)	1 per 2.6 ft^2	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-30.0*
G-88.	Existing gypsum deck	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	OMG Polymer GypTec fastener & plate (Field W/D ≥ 156 lbf)	1 per 2.6 ft^2	SBS-CA3	None	SBS-CA3	-30.0*
G-89.	Existing gypsum deck	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	OMG Polymer GypTec fastener & plate (Field W/D ≥ 180 lbf)	1 per 2.0 ft^2	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-45.0*
G-90.	Existing gypsum deck	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	OMG Polymer GypTec fastener & plate (Field W/D ≥ 180 lbf)	1 per 2.0 ft^2	SBS-CA3	None	SBS-CA3	-45.0*
Hot or Torch Applied Base Ply:									
G-91.	Existing gypsum deck	One or more layers, any combination, loose laid	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	OMG Polymer GypTec fastener & plate (Field W/D ≥ 120 lbf)	1 per 2.0 ft^2	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-30.0*
G-92.	Existing gypsum deck	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck or DensDeck Prime	OMG Polymer GypTec fastener & plate (Field W/D ≥ 156 lbf)	1 per 2.6 ft^2	BP-AA, SBS-AA, SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-30.0*
G-93.	Existing gypsum deck	One or more layers, any combination, loose laid	Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating	OMG Polymer GypTec fastener & plate (Field W/D ≥ 117 lbf)	1 per 1.3 ft^2	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-45.0*
G-94.	Existing gypsum deck	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck or DensDeck Prime	OMG Polymer GypTec fastener & plate (Field W/D ≥ 180 lbf)	1 per 2.0 ft^2	BP-AA, SBS-AA, SBS-TAF	(Optional) SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-45.0*
Self-Adhering Base Ply:									
G-95.	Existing gypsum deck	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck primed with D41 primer, ELASTOCOL Stick or ELASTOCOL Stick Zero or DensDeck Prime	OMG Polymer GypTec fastener & plate (Field W/D ≥ 156 lbf)	1 per 2.6 ft^2	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-30.0*

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TABLE 13D: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER(S) (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	FASTENER (4.2.2)	ATTACH (3.1.2.E)	BASE	PLY	CAP	
G-96.	Existing gypsum deck	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck primed with D41 primer, ELASTOCOL Stick or ELASTOCOL Stick Zero or DensDeck Prime	OMG Polymer GypTec fastener & plate (Field W/D ≥ 180 lbf)	1 per 2.0 ft²	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TAF	SBS-CA4, SBS-AA, SBS-TAF	-45.0*

TABLE 13E: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	INSULATION (3.1.2)	BASE SHEET			ROOF COVER (3.1.4)		MDP (PSF)
			BASE	FASTENER (4.2.2)	SPACING	BASE PLY	CAP	
G-97.	Existing gypsum deck	One or more layers, any combination	SELECT SBS POLY SANDED	SOPREMA Twin Loc-Nails (Field W/D ≥ 59 lbf)	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	SBS-AA, SBS-TAF or SBS-SA1	SBS-AA or SBS-TAF	-60.0
G-98.	Existing gypsum deck	One or more layers, any combination	SELECT SBS POLY SANDED	SOPREMA Twin Loc-Nails (Field W/D ≥ 59 lbf)	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	SBS-CA4	SBS-CA4, SBS-AA or SBS-TAF	-60.0
G-99.	Existing gypsum deck	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	SOPREMA Twin Loc-Nails (Field W/D ≥ 129 lbf)	9-inch o.c. within 5-inch wide, heat-welded laps and 9-inch o.c. in one center row	ELASTOPHENE SP 2.2, torch-applied	SBS-CA3, SBS-CA4	-60.0
G-100.	Existing gypsum deck	Min. 1.5-inch, One or more layers, any combination	SELECT SBS POLY FLAM	SOPREMA Twin Loc-Nails (Field W/D ≥ 129 lbf)	9-inch o.c. within 5-inch wide, heat-welded laps and 9-inch o.c. in one center row	(Optional) One or two SBS-TAF	SBS-TAF	-60.0

TABLE 13F: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE SHEET			ROOF COVER (3.1.4)		MDP (PSF)
		BASE	FASTENER (4.2.2)	SPACING	BASE PLY	CAP	
G-101.	Existing gypsum deck	SELECT SBS POLY SANDED	SOPREMA Twin Loc-Nail (Field W/D ≥ 59 lbf)	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	SBS-AA, SBS-TAF or SBS-SA1	SBS-AA, SBS-TAF	-60.0
G-102.	Existing gypsum deck	SELECT SBS POLY SANDED	SOPREMA Twin Loc-Nail (Field W/D ≥ 59 lbf)	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	SBS-CA4	SBS-CA4, SBS-AA, SBS-TAF	-60.0

TABLE 13G: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2, 4.2.2)	ROOF COVER (3.1.4)			MDP (PSF)
		BASE	PLY	CAP	
G-103.	Existing gypsum deck	SBS-CA2, 12-inch o.c.	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF	-60.0

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TABLE 14A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

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

System No.	Substrate (4.1.2, 4.2.2)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)[A]
		Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
Cold Applied Base Ply:									
R-1.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	(Optional) Additional layers of base insulation	hot asphalt	SBS-CA2, 12-inch o.c.	(Optional) SBS-CA3, SBS-AA, SBS-TAF or SBS-SA1	SBS-CA3, SBS-AA, SBS-TAF	-67.5
R-2.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.4-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min. 0.25-inch DensDeck Prime	hot asphalt	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-60.0
R-3.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min. 0.25-inch DensDeck Prime	hot asphalt	SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-195.0
R-4.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-195.0
R-5.	Existing sand-surface SBS modified bitumen	Min. 2-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-CA3	None	SBS-CA3	-260.0
R-6.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	Min. 1.5-inch SOPRA-ISO s, ENRGY 3 or SOPRA-ISO r	DUOTACK	(Optional) Additional layers of base insulation	DUOTACK	SBS-CA2, 12-inch o.c.	(Optional) SBS-CA3, SBS-AA, SBS-TAF or SBS-SA1	SBS-CA3, SBS-AA, SBS-TAF	-67.5
R-7.	Existing granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-195.0
R-8.	Existing sand-surface SBS modified bitumen	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-260.0
R-9.	Existing granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-195.0
R-10.	Existing sand-surface SBS modified bitumen	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-260.0
R-11.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.4-inch SOPRA-ISO s, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-60.0

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System No.	Substrate (4.1.2, 4.2.2)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)[A]
		Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
R-12.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch Insulfoam EPS	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA3	None	SBS-CA3	-150.0
R-13.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-195.0
R-14.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch Insulfoam EPS	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA3	None	SBS-CA3	-150.0
R-15.	Sand- or granule-surface modified bitumen Sand- or granule-surface modified bitumen or asphaltic built-up roof	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-195.0
R-16.	Existing sand-surface SBS modified bitumen	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA3	None	SBS-CA3	-260.0
R-17.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	Min. 1.5-inch Insulfoam EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	-222.5
R-18.	Existing sand-surface SBS modified bitumen	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-222.5
R-19.	Existing granule-surfaced modified bitumen or smooth-surface asphaltic built-up roof	Min. 0.25-inch DensDeck Prime or SECUROCK Gypusm-Fiber Roof Board	DUOTACK SPF HFO	None	N/A	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-245.0
R-20.	Existing smooth-surface asphaltic built-up roof	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-262.5
R-21.	Existing granule-surfaced modified bitumen	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypusm-Fiber Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-270.0
Hot or Torch Applied Base Ply:									
R-22.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	SBS-TAF	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-150.0

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System No.	Substrate (4.1.2, 4.2.2)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)[A]
		Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
R-23.	Existing sand-surface SBS modified bitumen	Min. 2-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-260.0
R-24.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 or SOPRASMART ISO HD 180 (for torched Base or Cap Ply)	hot asphalt	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-150.0
R-25.	Existing sand-surface SBS modified bitumen	Min. 2-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 or SOPRASMART ISO HD 180 (for torched Base or Cap Ply)	hot asphalt	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-260.0
R-26.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min. 0.25-inch DensDeck	hot asphalt	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-150.0
R-27.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min. 0.25-inch DensDeck Prime	hot asphalt	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-195.0
R-28.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-195.0
R-29.	Existing sand-surface SBS modified bitumen	Min. 2-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-260.0
R-30.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch Insulfoam EPS	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-150.0
R-31.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-TAF	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-150.0
R-32.	Existing granule-surface modified bitumen	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-195.0
R-33.	Existing sand-surface SBS modified bitumen	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-260.0

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System No.	Substrate (4.1.2, 4.2.2)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)[A]
		Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
R-34.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch Insulfoam EPS	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 or SOPRASMART ISO HD 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-150.0
R-35.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 or SOPRASMART ISO HD 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-150.0
R-36.	Existing sand-surface SBS modified bitumen	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 or SOPRASMART ISO HD 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-260.0
R-37.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	Min. 0.25-inch DensDeck	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-150.0
R-38.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-195.0
R-39.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch Insulfoam EPS	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-TAF	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA or SBS-TAF	-150.0
R-40.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-195.0
R-41.	Existing sand-surface SBS modified bitumen	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-260.0
R-42.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	Min. 1.5-inch Insulfoam EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypusm-Fiber Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-222.5
R-43.	Existing sand-surface SBS modified bitumen	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypusm-Fiber Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-222.5

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System No.	Substrate (4.1.2, 4.2.2)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)[A]
		Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
R-44.	Existing granule-surfaced modified bitumen or smooth-surface asphaltic built-up roof	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	None	N/A	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-245.0
R-45.	Existing smooth-surface asphaltic built-up roof	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-262.5
R-46.	Existing granule-surfaced modified bitumen	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, Multi-Max FA-3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-270.0
R-47.	Smooth-surface SBS modified bitumen	Min. 2-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	APP-TA	(Optional) APP-TA	APP-TA	-260.0
R-48.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch Insulfoam EPS	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	APP-TA	(Optional) APP-TA	APP-TA	-150.0
R-49.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	APP-TA	(Optional APP-TA	APP-TA	-160.0
R-50.	Granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	APP-TA	(Optional APP-TA	APP-TA	-195.0
R-51.	Smooth-surface SBS modified bitumen	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	APP-TA	(Optional APP-TA	APP-TA	-232.5
R-52.	Smooth-surface SBS modified bitumen	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	APP-TA	(Optional) APP-TA	APP-TA	-260.0
R-53.	Existing smooth-surface asphalt BUR	(Optional) Min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, ISO 90+GL or ENRGY 3	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or 0.5-inch DuraBoard	OB500	APP-TA	(Optional) APP-TA	APP-TA	-130.0
R-54.	Existing smooth-surface asphalt BUR	Min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, ISO 90+GL or ENRGY 3	OB500	Min. 0.25-inch DensDeck Prime	OB500	APP-TA	(Optional) APP-TA	APP-TA	-160.0
R-55.	Existing smooth-surface asphalt BUR	Min. 0.25-inch DensDeck Prime	OB500	None	N/A	APP-TA	(Optional) APP-TA	APP-TA	-210.0
R-56.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	DUOTACK SPF HFO	Min. 0.125-inch SOPRABOARD	DUOTACK SPF HFO	APP-TA	(Optional) APP-TA	APP-TA	-157.5

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		Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
Self-Adhering Base Ply:									
R-57.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	Min. 1.4-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA-3	hot asphalt	(Optional) Additional layers of base insulation	hot asphalt	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-150.0
R-58.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA-3	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-150.0
R-59.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL STICK Zero	hot asphalt	(Optional) SBS-SA1	None	SBS-TAF	-150.0
R-60.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 2-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA-3	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-150.0
R-61.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	Min. 1.4-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA-3	DUOTACK	(Optional) Additional layers of base insulation	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-150.0
R-62.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) One or more layers min. 1.5-inch Insulfoam EPS	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-150.0
R-63.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA-3	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-150.0
R-64.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, ENRGY 3, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL STICK Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-TAF	-150.0
R-65.	Smooth- or granule-surface modified bitumen or BUR	Min. 1.4-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	(Optional) Additional layers of base insulation	hot asphalt	SBS-SA1	(Optional) APP-TA	APP-TA	-150.0
R-66.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	SBS-SA1	(Optional) APP-TA	APP-TA	-150.0
R-67.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 2-inch SOPRA-ISO s, ENRGY 3, SOPRA-ISO r or Multi-Max FA-3	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-SA1	(Optional) APP-TA	APP-TA	-150.0
R-68.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch Insulfoam EPS	M-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA	SBS-SA1	(Optional) APP-TA	APP-TA	-152.5

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TABLE 14A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

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

System No.	Substrate (4.1.2, 4.2.2)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)[A]
		Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
R-69.	Smooth- or granule-surface modified bitumen or BUR	(Optional) One or more layers min. 1.5-inch Insulfoam EPS	M-OSFA	Min. 0.125-inch SOPRABOARD	M-OSFA	SBS-SA1	(Optional) APP-TA	APP-TA	-152.5
R-70.	Smooth- or granule-surface modified bitumen or BUR	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, ENRGY 3 or Multi-Max FA-3	M-OSFA	(Optional) Additional layers of base insulation	M-OSFA	SBS-SA1	(Optional) APP-TA	APP-TA	-155.0
R-71.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, ENRGY 3, EnergyGuard POLYISO INSULATION or Multi-Max FA-3	M-OSFA	Min. 0.125-inch SOPRABOARD	M-OSFA	SBS-SA1	(Optional) APP-TA	APP-TA	-155.0
R-72.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 2-inch SOPRA-ISO s, SOPRA-ISO r, ENRGY 3, EnergyGuard POLYISO INSULATION or Multi-Max FA-3	M-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA	SBS-SA1	(Optional) APP-TA	APP-TA	-157.5
R-73.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch Insulfoam EPS	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-SA1	(Optional) APP-TA	APP-TA	-150.0
R-74.	Smooth- or granule-surface modified bitumen or BUR	(Optional) One or more layers min. 1.5-inch Insulfoam EPS	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) APP-TA	APP-TA	-150.0
R-75.	Smooth- or granule-surface modified bitumen or BUR	Min. 1.4-inch SOPRA-ISO s, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	(Optional) Additional layers of base insulation	DUOTACK	SBS-SA1	(Optional) APP-TA	APP-TA	-150.0
R-76.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) APP-TA	APP-TA	-150.0
R-77.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, SOPRA-ISO r, SOPRA-ISO+ r or Multi-Max FA-3	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-SA1	(Optional) APP-TA	APP-TA	-150.0
R-78.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch Insulfoam EPS	DUOTACK SPF HFO	Min. 0.125-inch SOPRABOARD	DUOTACK SPF HFO	SBS-SA1	(Optional) APP-TA	APP-TA	-87.5
R-79.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch Insulfoam EPS	DUOTACK SPF HFO	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-SA1	(Optional) APP-TA	APP-TA	-87.5
R-80.	Smooth- or granule-surface modified bitumen or BUR	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, ENRGY 3 or Multi-Max FA-3	DUOTACK SPF HFO	(Optional) Additional layers of base insulation	DUOTACK SPF HFO	SBS-SA1	(Optional) APP-TA	APP-TA	-155.0

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TABLE 14A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

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

System No.	Substrate (4.1.2, 4.2.2)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)[A]
		Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base	Ply	Cap	
R-81.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO r, ENRGY 3 or Multi-Max FA-3	DUOTACK SPF HFO	Min. 0.125-inch SOPRABOARD	DUOTACK SPF HFO	SBS-SA1	(Optional) APP-TA	APP-TA	-155.0
R-82.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 2-inch SOPRA-ISO s, SOPRA-ISO r, ENRGY 3 or Multi-Max FA-3	DUOTACK SPF HFO	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK SPF HFO	SBS-SA1	(Optional) APP-TA	APP-TA	-172.5
R-83.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 1.5-inch Insulfoam EPS	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-150.0
R-84.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	(Optional) Min. 2-inch ACFoam II, ACFoam III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA-3	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-150.0
R-85.	Existing sand- or granule-surface modified bitumen or asphaltic built-up roof	Min. 1.5-inch Insulfoam EPS	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-222.5
R-86.	Existing sand-surface SBS modified bitumen	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-222.5
R-87.	Existing granule-surfaced modified bitumen or smooth-surface asphaltic built-up roof	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	None	N/A	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-245.0
R-88.	Existing smooth-surface asphaltic built-up roof	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-262.5
R-89.	Existing granule-surfaced modified bitumen	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA-3 or Ultra-Max	DUOTACK SPF HFO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero.	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-TAF	SBS-TAF	-270.0

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TABLE 14B: RE-ROOF (TEAR-OFF) OR RECOVER APPLICATIONS
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.2). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2, 4.2.2)	Vapor Barrier	Base Insulation Layer				Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)[A]
			Type	Fastener (4.2.2) Type	Fastener (4.2.2) Min. Withdrawal	Attach (3.1.2.E)	Type	Attach (3.1.3)	Base	Ply	Cap	
Cold Applied Base Ply:												
R-90.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate	≥ 187 lbf	1 per 1.8 ft²	Optional additional layer(s) base insulation followed by min. 0.125-inch SOPRABOARD, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-52.5
R-91.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate	≥ 187 lbf	1 per 1.8 ft²	Additional layer(s) base insulation followed by SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-52.5
R-92.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s or SOPRA-ISO+ r	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate	≥ 187 lbf	1 per 1.8 ft²	Optional additional layer(s) base insulation followed by 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-52.5
Hot or Torch Applied Base Ply:												
R-93.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate	≥ 187 lbf	1 per 1.8 ft²	Optional additional layer(s) base insulation followed by min. 0.125-inch SOPRABOARD, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TAF	(Optional) BP-AA, SBS-AA, SBS-TAF	SBS-AA, SBS-TAF	-52.5
R-94.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate	≥ 187 lbf	1 per 1.8 ft²	Additional layer(s) base insulation followed by SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for torched Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TAF	None	SBS-AA or SBS-TAF	-52.5

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TABLE 14B: RE-ROOF (TEAR-OFF) OR RECOVER APPLICATIONS
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.2). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2, 4.2.2)	Vapor Barrier	Base Insulation Layer				Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)[A]
			Type	Fastener (4.2.2) Type	Fastener (4.2.2) Min. Withdrawal	Attach (3.1.2.E)	Type	Attach (3.1.3)	Base	Ply	Cap	
R-95.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s or SOPRA-ISO+ r	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate	≥ 187 lbf	1 per 1.8 ft²	Optional additional layer(s) base insulation followed by 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK SPF HFO	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA, SBS-TAF	-52.5
R-96.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fastener installed 180° into the holes of the Versa-Fast Plate to engage existing substrate	≥ 187 lbf	1 per 1.8 ft²	Optional additional layer(s) base insulation followed by min. 0.125-inch SOPRABOARD	DUOTACK	APP-TA	(Optional) APP-TA	APP-TA	-52.5
SELF-ADHERING BASE PLY:												
R-97.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate	≥ 187 lbf	1 per 1.8 ft²)	Optional additional layer(s) base insulation followed by min. 0.125-inch SOPRABOARD. Top surface shall be primed with ELASTOCOL Stick Zero. or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-52.5
R-98.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate	≥ 187 lbf	1 per 1.8 ft²	Optional additional layer(s) base insulation followed by SOPRASMART Board 180 Sanded. Top surface shall be primed with ELASTOCOL STICK Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-TAF	-52.5

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TABLE 14B: RE-ROOF (TEAR-OFF) OR RECOVER APPLICATIONS
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.2). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2, 4.2.2)	Vapor Barrier	Base Insulation Layer				Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)[A]
			Type	Fastener (4.2.2) Type	Fastener (4.2.2) Min. Withdrawal	Attach (3.1.2.E)	Type	Attach (3.1.3)	Base	Ply	Cap	
R-99.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s or SOPRA-ISO+ r	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate	≥ 187 lbf	1 per 1.8 ft²	Optional additional layer(s) base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick or ELASTOCOL Stick Zero	DUOTACK SPF HFO	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-52.5
R-100.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r or SOPRA-ISO+ r	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fastener installed 180° into the holes of the Versa-Fast Plate to engage existing substrate	≥ 187 lbf	1 per 1.8 ft²	Optional additional layer(s) base insulation followed by min. 0.125-inch SOPRABOARD or Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 0.4375-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL STICK Zero.	DUOTACK	SBS-SA1	(Optional) APP-TA	APP-TA	-52.5

TABLE 14C: RE-ROOF (TEAR-OFF) OR RECOVER APPLICATIONS
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.2). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2, 4.2.2)	Vapor Barrier	Base Insulation Layer (3.1.2)	Top Insulation Layer				Primer	Roof Cover (3.1.4)			MDP (psf)[A]
				Type	Fastener (4.2.2)	Min. Withdrawal	Attach (3.1.2.E)		Base Ply	Ply	Cap Ply	
Cold Applied Base Ply:												
R-101.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate	≥ 187 lbf	1 per 1.8 ft²	None	SBS-CA3	(Optional) SBS-CA3 or SBS-CA4	SBS-CA3 or SBS-CA4	-52.5
R-102.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Baord	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate	≥ 187 lbf	1 per 1.8 ft²	None	SBS-CA3 or SBS-CA4	(Optional) SBS-CA3 or SBS-CA4	SBS-CA3 or SBS-CA4	-52.5

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TABLE 14C: RE-ROOF (TEAR-OFF) OR RECOVER APPLICATIONS
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.2). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2, 4.2.2)	Vapor Barrier	Base Insulation Layer (3.1.2)	Top Insulation Layer				Primer	Roof Cover (3.1.4)			MDP (psf)[A]
				Type	Fastener (4.2.2)	Min. Withdrawal	Attach (3.1.2.E)		Base Ply	Ply	Cap Ply	
Hot or Torch Applied Base Ply:												
R-103.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD, min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate	≥ 187 lbf	1 per 1.8 ft²	None	BP-AA, SBS-AA or SBS-TAF	(Optional) BP-AA, SBS-AA or SBS-TAF	SBS-AA or SBS-TAF	-52.5
Self-Adhering Base Ply:												
R-104.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete or existing gypsum roof deck	(Optional) Min. 6-mil polyethylene or one or more layers Approved SOPREMA base sheet or modified bitumen sheet, loose-laid	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Baord	SOPREMA Versa-Fast Plate with minimum two (2) SOPREMA Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plate	≥ 187 lbf	1 per 1.8 ft²	ELASTOCOL STICK Zero	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TAF	SBS-AA, SBS-TAF	-52.5

TABLE 14D: REROOF (TEAR-OFF) APPLICATIONS
SYSTEM TYPE E-2: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

[A] The reported MDP documents the allowable maximum design pressure of the new base sheet and roof cover when installed atop the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.2). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2, 4.2.2)	Base Sheet				Roof Cover (3.1.4)		MDP (psf)[A]
		Base	Fastener (4.2.2)		Spacing	Base Ply(s)	Cap	
			Type	Min. Withdrawal				
Pre-Existent Aggregate Lightweight Concrete (3.1.2):								
R-105.	Pre-existent min. 360 psi aggregate lightweight insulating concrete	MODIFIED SOPRA G	SOPREMA 1.2 in. Base Sheet Fastener	≥ 67 lbf	9-inch o.c. at the 3.5-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-AA, SBS-AA2 or SBS-TAF	SBS-CA4, SBS-AA, SBS-AA2 or SBS-TAF	-45.0
R-106.	Pre-existent min. 300 psi cellular lightweight insulating concrete	MODIFIED SOPRA G	SOPREMA Twin Loc-Nail	≥ 88 lbf	9-inch o.c. at 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA or SBS-TAF	SBS-CA3, SBS-AA or SBS-TAF	-60.0
R-107.	Pre-existent min. 300 psi cellular lightweight insulating concrete	SELECT SBS POLY SANDED	SOPREMA Twin Loc-Nail	≥ 110 lbf	9-inch o.c. at 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA or SBS-TAF	SBS-CA3, SBS-AA or SBS-TAF	-75.0

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TABLE 14D: REROOF (TEAR-OFF) APPLICATIONS
SYSTEM TYPE E-2: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

[A] The reported MDP documents the allowable maximum design pressure of the new base sheet and roof cover when installed atop the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.2). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2, 4.2.2)	Base Sheet				Roof Cover (3.1.4)		MDP (psf)[A]
		Base	Fastener (4.2.2)		Spacing	Base Ply(s)	Cap	
			Type	Min. Withdrawal				
Pre-Existent Cellular Lightweight Concrete (3.1.2):								
R-108.	Pre-existent min. 360 psi cellular lightweight insulating concrete	MODIFIED SOPRA G	SOPREMA 1.7 in. Base Sheet Fastener	≥ 67 lbf	9-inch o.c. at the 3.5-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-AA, SBS-AA2 or SBS-TAF	SBS-CA4, SBS-AA, SBS-AA2 or SBS-TAF	-45.0

TABLE 14E: RECOVER APPLICATIONS
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER

[A] The reported MDP documents the allowable maximum design pressure of the new roof cover when adhered to the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.2). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2, 4.2.2)	Primer	Roof Cover (3.1.4)			MDP (psf)[A]
			Base Ply	Ply	Cap Ply	
R-109.	Existing, fully-adhered, granule-surface, SBS modified bitumen roof system	ELASTOCOL 500	(Optional) SBS-CA4	None	SBS-CA4	-112.5
R-110.	Existing, fully-adhered, granule-surface, SBS modified bitumen roof system	None	(Optional) SBS-CA4	None	SBS-CA4	-202.5
R-111.	Existing, fully-adhered, smooth- or granule-surface, SBS modified bitumen roof system	None	SBS-CA2, 6-inch o.c. or SBS-CA3	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2 or SBS-TAF	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2 or SBS-TAF	-247.5
R-112.	Existing, fully-adhered, smooth- or granule-surface, SBS modified bitumen roof system	None	None	None	SBS-CA2, 6-inch o.c. or SBS-CA3	-247.5
R-113.	Existing, fully-adhered, smooth-surface, SBS modified bitumen roof system	(Optional) ELASTOCOL 500	SBS-TAF	(Optional) SBS-TAF	SBS-TAF	-367.5

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