



NEMO EVALUATIONS REPORT

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Amrize Building Envelope LLC (Elevate)

FL10264-R21

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NEMO EVALUATION REPORT (NER)



Amrize Building Envelope LLC (Elevate)

26 Century Blvd
Nashville, TN 37214
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SUBJECT: Elevate UltraPly TPO 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 products described herein for compliance with the [Code sections noted herein](#).

CODE: 2021, 2018, 2015 International Building Code TDI [Third-Party Evaluation Report](#) acceptance
2023 Florida Building Code, 8th Edition
2022 California Building Code [Section 98.0501](#), Product Approval, Alternate Materials, Systems, Devices and Methods of Construction

FBC JURISDICTION: Non-HVHZ and HVHZ

CATEGORY: **FBC:** Roofing **NEMO:** Single Ply

SUB-CATEGORY: **FBC:** Single Ply Roof Systems

CSI DIVISION: 07 00 00 Thermal and Moisture Protection
07 54 00 Thermoplastic Membrane Roofing
07 54 23 Thermoplastic Polyolefin Roofing

METHOD: Method 1, Option C – Codified Material, Evaluation by Evaluation Entity

COMPLIANCE STATEMENT: Elevate UltraPly TPO Roof Systems, as produced by Amrize Building Envelope LLC (Elevate), 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 does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products it evaluates.
- ✓ 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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[LINK TO TOP OF ATTACHMENT REQUIREMENTS](#)



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1. CODES, PROPERTIES AND STANDARDS:

CODE	SECTION	PROPERTY	STANDARD	
2015 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 D2178, ASTM D4601	
	1507.11.2	Material standard	ASTM D6163, ASTM D6164, ASTM D6222	
	1507.13.2	Material standard	D6878	
	1508.2	Material standard	C1289	
	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 D2178, ASTM D4601	
1507.11.2		Material standard	ASTM D6163, ASTM D6164, ASTM D6222	
1507.13.2		Material standard	D6878	
2021 Internation 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 D2178, ASTM D4601	
	1507.11.2	Material standard	ASTM D6163, ASTM D6164, ASTM D6222	
	1507.12.2	Material standard	D6878	
2023 Florida Building Code, 8 th Edition	1508.2	Material standard	C1289	
	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, TAS 110	Material standard	ASTM D2178, ASTM D4601	
	1508.2, TAS 110	Material standard	ASTM C1289	
	1507.11.2, TAS 110	Material standard	ASTM D6163, ASTM D6164, ASTM D6222	
	1507.12.2, TAS 110	Material standard	ASTM D6878	
	1516.1	Fire Classification	UL 790	
TAS 110	Static puncture resistance	ASTM D5602		
TAS 110	Dynamic puncture resistance	ASTM D5635		
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 Hail Damage	TAS 114, Appendix F		
TAS 110	Susceptibility to Leakage	TAS 114, Appendix G		
2022 California Building Code	Div. 5, Section 98.0501	Evaluation Reports		
	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 D2178	
	1507.11.2	Material standard	ASTM D6163, ASTM D6164, ASTM D6222	
	1507.12.2	Material standard	ASTM D6878	
	1508.2	Material standard	ASTM C1289	



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2. PRODUCTS:

TABLE 1A: EVALUATED ELEVATE COMPONENTS					
<i>(NEMO Certified. Consult Directory of Certified Products for production location(s))</i>					
TYPE	PRODUCT		MATERIAL STANDARD		
			REFERENCE	TYPE	GRADE
ROOF COVER OR CAP PLY	Elevate UltraPly TPO	45, 60-mil	ASTM D6878	N/A	N/A
	Elevate UltraPly TPO Platinum	80-mil	ASTM D6878	N/A	N/A
	Elevate UltraPly TPO XR 100	45-mil	ASTM D6878	N/A	N/A
	Elevate UltraPly TPO XR 115	60-mil	ASTM D6878	N/A	N/A
	Elevate UltraPly TPO XR 135	80-mil	ASTM D6878	N/A	N/A
	Elevate UltraPly Platinum TPO SA	60-mil 80-mil	ASTM D6878	N/A	N/A
BASE SHEETS	Elevate MB Base		ASTM D4601	II	N/A
PLY SHEETS	Elevate Ply IV		ASTM D2178	IV	N/A
	Elevate Ply VI		ASTM D2178	VI	N/A
BASE PLY OR VAPOR BARRIER MEMBRANES	Elevate MB Base		ASTM D4601	II	N/A
	Elevate SBS PolyBase		ASTM D6164	I	S
	Elevate SBS Poly Torch Base		ASTM D6164	I	S
	Elevate SBS Premium Poly Base		ASTM D6164	II	S
	Elevate APP 170		ASTM D6222	I	S

TABLE 1B: EVALUATED ELEVATE COMPONENTS					
<i>(Contact contact@nemocert.com for production location(s) of non-Certified products)</i>					
TYPE	PRODUCT		MATERIAL STANDARD		
			REFERENCE	TYPE	GRADE
BASE SHEETS	Elevate SBS Base		ASTM D6163	I	S
BASE PLY OR VAPOR BARRIER MEMBRANES	Elevate SBS Base		ASTM D6163	I	S
	Elevate SBS Premium Base		ASTM D6163	I	S
	Elevate SBS Glass Torch Base		ASTM D6163	I	S
	Elevate SBS Glass Torch Base 1.5		ASTM D6163	I	S
	Elevate SBS Smooth		ASTM D6164	I	S
	Elevate APP 160 COOL		ASTM D6222	I	S
	V-Force Vapor Barrier				N/A
	V-Force FR Vapor Barrier				N/A
ADHESIVES:	I.S.O. Stick				N/A
	I.S.O. Twin Pack				N/A
	I.S.O. Spray R				N/A
	Twin Jet				N/A
	Twin Jet Y				N/A
	Multi-Purpose MB Cold Adhesive				N/A
	Jet Bond Spray Adhesive				N/A
	Elevate Single-Ply LVOC Bonding Adhesive				N/A
	Elevate Single-Ply LVOC Bonding Adhesive 1168				N/A
	Elevate UltraPly Bonding Adhesive				N/A
	Elevate Water Based Bonding Adhesive-P				N/A
	XR Bonding Adhesive				N/A
XR Stick Membrane Adhesive				N/A	
INSULATION:	Elevate ISOGARD GL or ISO 95+ GL				ASTM C1289
	Elevate ISOGARD CG or RESISTA				ASTM C1289
	Elevate ISOGARD HD				ASTM C1289
	Elevate ISOGARD HD Composite				ASTM C1289
	Elevate ISOGARD HG or HailGard				ASTM C1289



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TABLE 1B: EVALUATED ELEVATE COMPONENTS (Contact contact@nemocert.com for production location(s) of non-Certified products)		
TYPE	PRODUCT	MATERIAL STANDARD
MECHANICAL FASTENERS:	Elevate All-Purpose Fastener	N/A
	Elevate All-Purpose S Fastener	N/A
	Elevate #12 Fastener	N/A
	Elevate Pre-Assembled Fastener	N/A
	Elevate Heavy Duty Fastener	N/A
	Elevate HD Plus Fastener	N/A
	Elevate Concrete Drive Fastener	N/A
	Elevate Purlin Fastener	N/A
	HailGard Fastener (steel only)	N/A
	Two Piece Locking Nail	N/A
	Elevate HD Plus Seam Plate	N/A
	Elevate HD Seam Plate	N/A
	Elevate UltraPly TPO Barbed Seam Plate	N/A
	Elevate UltraPly TPO InvisiWeld Plate	N/A
	Elevate UltraPly TPO Wide Weld Seam Plate	N/A
	Elevate Insulation Fastening Plate	N/A
	Elevate Polymer Batten Strip	N/A
	Elevate Coiled Metal Batten Strip	N/A
Elevate Retro Driller	N/A	
PRIMERS:	V-Force SB Primer	N/A
	V-Force WB Primer	N/A
	Single-Ply QuickPrime Primer	N/A
	Elevate UltraPly TPO QuickPrime	N/A
ROLL GOODS:	Elevate UltraPly TPO QuickSeam Flashing	N/A
	Elevate UltraPly QuickSeam R.M.A. Strips	N/A

TABLE 2: COMPONENTS BY OTHERS (4.1.4) (Refer to NOA if listed version was superseded to ensure use of latest version)				
TYPE	ELEVATE PRODUCT	ACCEPTABLE ALTERNATE	FBC	NOA
INSULATION:	N/A	Insulfoam EPS	FL29563	24-1015.10
	N/A	Styrofoam Brand Roofmate	FL38732	23-1121.01
	N/A	Styrofoam Brand Highload 60		
	N/A	Structodek High Density Fiberboard Roof Insulation	FL13792	23-0623.03
	N/A	DensDeck Roof Board	FL1250	22-1223.04
	N/A	DensDeck Prime Roof Board		
	N/A	DensDeck StormX Prime Roof Board		
	N/A	DEXcell FA Glass Mat Roof Board	FL17840	23-0329.09
	N/A	DEXcell Cement Roof Board		
	N/A	SECUROCK Gypsum-Fiber Roof Board	FL4264	21-0923.05
	N/A	Celcore Cellular Concrete	FL2037	24-0906.02
	N/A	Elastizell Lightweight Insulating Concrete	FL4994	23-0817.05
	N/A	Insulcel	N/A	24-0514.06
	N/A	Mearlcrete	FL13492	24-0514.06
	N/A	NVS	N/A	22-1020.11



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3. INSTALLATION:

3.1 **Elevate UltraPly TPO Roof Systems** shall be installed in accordance with **Amrize Building Envelope LLC** 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.

FASTENER REFERENCES		
ROOF DECK	PARTS	FASTENER ENGAGEMENT
WOOD, ENGINEERED SHEATHING OR PLANK	Elevate #12 Fastener, Elevate All-Purpose Fastener or Heavy-Duty Fastener with Elevate Insulation Fastening Plate	Min. ¾-inch penetration (engineered sheathing) or min. 1-inch embedment (plank)
STEEL	Elevate #12 Fastener, All-Purpose Fastener, All-Purpose S Fastener or Heavy-Duty Fastener with Elevate Insulation Fastening Plate	Minimum ¾-inch penetration
STRUCTURAL CONCRETE	Elevate Heavy-Duty or Concrete Drive Fastener with Elevate Insulation Fastening Plate	Non-HVHZ: Min. 1-inch embedment HVHZ: Min. 1.25-inch embedment

3.1.2 **Insulation:**

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



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(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.

INSULATION ATTACHMENT PATTERNS – 4x4 FT BOARDS		
<p>1 per 4.0 ft² (4 per board)</p>	<p>1 per 3.2 ft² (5 per board)</p>	<p>1 per 2.7 ft² (6 per board)</p>
<p>1 per 2.0 ft² (8 per board)</p>	<p>1 per 1.8 ft² (9 per board)</p>	<p>1 per 1.6 ft² (10 per board)</p>
<p>1 per 1.45 ft² (11 per board)</p>	<p>1 per 1.3 ft² (12 per board)</p>	<p>1 per 1.0 ft² (16 per board)</p>



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INSULATION ATTACHMENT PATTERNS – 4x8 FT BOARDS			
<p>1 per 4.0 ft² (8 per board)</p>	<p>1 per 3.6 ft² (9 per board)</p>	<p>1 per 3.2 ft² (10 per board)</p>	<p>1 per 2.7 ft² (12 per board)</p>
<p>1 per 2.1 ft² (15 per board)</p>	<p>1 per 2.0 ft² (16 per board)</p>	<p>1 per 1.8 ft² (18 per board)</p>	<p>1 per 1.6 ft² (20 per board)</p>
<p>1 per 1.45 ft² (22 per board)</p>	<p>1 per 1.3 ft² (24 per board)</p>	<p>1 per 1.0 ft² (32 per board)</p>	



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

- IBC, CBC, 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.

(g) The following products are interchangeable within the scope of this NER:

ACCEPTABLE ALTERNATES		
SUB-CATEGORY	LISTED PRODUCT	ALTERNATE PRODUCT
ROOFING INSULATION	Elevate ISOGARD GL	ISO 95+ GL, RESISTA or Elevate ISOGARD CG
	Elevate ISOGARD CG	RESISTA
	DensDeck Prime	DensDeck StormX Prime Roof 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.

INSULATION ADHESIVE REFERENCES	
ADHESIVE	MINIMUM RATE
ASTM D312, Type IV asphalt	Full-coverage at 25-30 lbs/square
I.S.O. Spray R	Continuous 0.5 to 0.75-inch ribbons, 12-inch o.c.
I.S.O. Stick	Continuous 0.75 to 1-inch ribbons, 12-inch o.c.
I.S.O. Twin Pack	Continuous 0.5 to 0.75-inch ribbons, 12-inch o.c.
Twin Jet	Continuous 1 to 1.5-inch ribbons, 12-inch o.c.
Twin Jet Y	RIBBON: Continuous 1 to 2.5-inch ribbons, 12-inch o.c. SPATTER: 2.85 lbs/square
Polyset Commercial Roof Adhesive	Continuous 2.5-3.5-inch ribbons, 12-inch o.c.

(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.

MDP LIMITATIONS FOR TAPERED POLYISOCYANURATE INSULATIONS			
ADHESIVE	INSULATION	MIN. TAPERED THICKNESS (IN)	MDP (PSF)
I.S.O. Spray R	ISOGARD GL	0.5	-157.5
I.S.O. Stick or Twin Jet		0.5	-187.5
I.S.O. Twin Pack		0.5	-157.5
Polyset CRA		1.0	-117.5
Twin Jet Y		0.5	-187.5
Hot asphalt		0.5	-120.0
I.S.O. Spray R, I.S.O. Stick, Twin Jet or I.S.O. Twin Pack, 12-inch o.c.	ISOGARD CG	0.5	-165.0
I.S.O. Spray R, I.S.O. Stick, Twin Jet or I.S.O. Twin Pack, 6-inch o.c.		0.5	-405.0

(c) Adhered Insulation, Board Size:

- IBC, CBC, or 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.



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3.1.4 Roof Covers:

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

MEMBRANE / ADHESIVE COMBINATIONS				
REFERENCE	ELEVATE MEMBRANE	ELEVATE ADHESIVE	METHOD	RATE
BB-JBSA	Elevate UltraPly TPO, UltraPly TPO Platinum	Jet Bond Spray Adhesive	Contact (both sides)	1.75 to 2.2 lbs/sq with a 2 in. overlap to both the bottom surface of the roof cover and top surface of the substrate with a for a total of 3.5 to 4.4 lbs/sq.
BB-LVOC	Elevate UltraPly TPO, UltraPly TPO Platinum	Elevate Single-Ply LVOC Bonding Adhesive	Contact (both sides)	45 to 60 ft ² /gal
BB-LVOC-1168	Elevate UltraPly TPO, UltraPly TPO Platinum	Elevate Single-Ply LVOC Bonding Adhesive 1168	Contact (both sides)	45 to 60 ft ² /gal
BB-UPBA	Elevate UltraPly TPO, UltraPly TPO Platinum	Elevate UltraPly Bonding Adhesive	Contact (both sides)	45 to 60 ft ² /gal
BB-WBBA-P	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate Water Based Bonding Adhesive-P	Contact (both sides)	100 to 120 ft ² /gal.
SA	Elevate UltraPly TPO SA	Self-adhering	N/A	Self-adhering
XR-HA	Elevate UltraPly TPO XR 100, UltraPly TPO XR 115 or UltraPly TPO XR 135	ASTM D312, Type IV hot asphalt	Wet lay (substrate)	Full-coverage, 25-30 lbs/square.
XR-ISOSR	Elevate UltraPly TPO XR 100, UltraPly TPO XR 115 or UltraPly TPO XR 135	I.S.O. Spray R	Wet lay (substrate)	RIBBON, X: Continuous ¾ to 1-inch wide ribbons, spaced as noted 'X' FULL: Spray applied to 1/8 – ¼" thick
XR-JBSA	Elevate UltraPly TPO XR 100, UltraPly TPO XR 115 or UltraPly TPO XR 135	Jet Bond Spray Adhesive	Contact (both sides)	2.5 to 2.7 lbs/sq with a 6 in. overlap to both the bottom surface of the roof cover and top surface of the substrate for a total of 5.0 to 5.4 lbs/sq.
XR-TJ	Elevate UltraPly TPO XR 100, UltraPly TPO XR 115 or UltraPly TPO XR 135	Twin Jet	Wet lay (substrate)	RIBBON, X: Continuous ribbons, spaced as noted 'X' or SPATTER: Spatter-pattern at 0.32 gal/square.
XR-TJY	Elevate UltraPly TPO XR 100, UltraPly TPO XR 115 or UltraPly TPO XR 135	Twin Jet Y	Wet lay (substrate)	RIBBON, X: Continuous ribbons, spaced as noted 'X' or SPATTER: Spatter-pattern at 2.85 lbs/square.
XR-WBBA-P	Elevate UltraPly TPO XR 100, UltraPly TPO XR 115 or UltraPly TPO XR 135	Elevate Water Based Bonding Adhesive-P	Wet lay (substrate)	100 to 120 ft ² /gal.
XR-XRBA	Elevate UltraPly TPO XR 100, UltraPly TPO XR 115 or UltraPly TPO XR 135	XR Bonding Adhesive	Wet lay (substrate)	70 to 90 ft ² /gal
XR-XRSMA	Elevate UltraPly TPO XR 100, UltraPly TPO XR 115 or UltraPly TPO XR 135	XR Stick Membrane Adhesive	Wet lay (substrate)	RIBBON, X: Continuous ¾ to 1-inch wide ribbons, spaced as noted 'X'

- (b) For single-ply membranes in System Type D-1 steel deck applications, the roof membrane shall be run with its length perpendicular to the steel deck flutes. For membrane attachment using batten-strips, batten-strip end laps shall be spliced with sufficient dimension to allow for minimum 2-fasteners at each batten-strip lap.
- (c) For System Type C-2 (induction weld), care shall be taken to ensure that the plates do not line-up with membrane seams. This condition may preclude proper induction welding of the membrane to the plates.

3.1.5 Thermal Barrier and/or Vapor Barrier Options:

- (a) For System Types B-1, B-2 and C-1 over steel deck, V-Force Vapor Barrier Membrane, self-adhered, may be installed atop the steel roof deck prior to installation of subsequent insulation components. Refer to [FM Loss Prevention Data Sheet 1-29](#) for design and installation limitations.
- (b) Vapor barrier options for use over structural concrete deck followed by bonded insulation carry the following MDP limitations. The lesser of the MDP listings below vs. that of the selected assembly applies.



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VAPOR BARRIER OPTIONS; STRUCTURAL CONCRETE DECK; FOLLOWED BY ADHESIVE-APPLIED INSULATION					
OPTION #	PRIMER	VAPOR BARRIER		ADHESIVE PER TABLE 3A (3.1.3)	MDP (psf)
		TYPE	APPLICATION		
C-VB-1.	ASTM D41	Base Ply: MB Base, SBS Base, SBS PolyBase, SBS Premium Base, SBS Premium Poly Base, APP 160 COOL, APP 170 COOL	Multi-Purpose MB Cold Adhesive, 1.5-2.0 gal/sq.	Multi-Purpose MB Cold Adhesive	-67.5*
C-VB-2.	ASTM D41	MB Base	I.S.O. Twin Pack, 4" o.c.	I.S.O. Twin Pack	-232.5
C-VB-3.	ASTM D41	1 or 2 plies Ply IV or Ply VI or 1 ply MB Base, SBS Base, SBS Polybase or SBS Premium Base	Hot asphalt	Hot asphalt	-120.0
C-VB-4.	ASTM D41	1 or 2 plies Ply IV or Ply VI or 1 ply MB Base, SBS Base, SBS Polybase or SBS Premium Base	Hot asphalt	I.S.O. Spray R or I.S.O. Twin Pack	-495.0
C-VB-5.	ASTM D41	SBS Poly Torch Base, SBS Glass Torch Base, SBS Glass Torch Base 1.5, SBS Smooth	Torch-applied	I.S.O. Spray R or I.S.O. Twin Pack	-495.0
C-VB-6.	ASTM D41	MB Base, SBS, Base, SBS PolyBase, SBS Premium Base or SBS Premium Poly Base	Hot asphalt	Twin Jet, 4-inch o.c.	-337.5
C-VB-7.	ASTM D41	SBS Poly Torch Base, SBS Glass Torch Base, SBS Glass Torch Base 1.5, SBS Smooth	Torch-applied	Twin Jet, 4-inch o.c.	-337.5
C-VB-8.	V-Force SB Primer	V-Force Vapor Barrier	Self-adhering	I.S.O. Spray R	-255.0
C-VB-9.	V-Force SB Primer	V-Force Vapor Barrier	Self-adhering	I.S.O. Stick or Twin Jet	-262.5
C-VB-10.	V-Force SB Primer	V-Force Vapor Barrier	Self-adhering	I.S.O. Twin Pack	-255.0
C-VB-11.	V-Force SB Primer	V-Force Vapor Barrier	Self-adhering	Twin Jet Y, RIBBON	-217.5
C-VB-12.	None	V-Force FR Vapor Barrier	Self-adhering	I.S.O. Spray R, I.S.O. Twin Pack, I.S.O. Stick, Twin Jet	-185.0
C-VB-13.	None	V-Force FR Vapor Barrier	Self-adhering	Twin Jet Y, RIBBON, 4-inch o.c.	-185.0
C-VB-14.	None	V-Force FR Vapor Barrier	Self-adhering	I.S.O. Spray R, I.S.O. Twin Pack, or Twin Jet Y, 6-inch o.c.	-202.5

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 FBC requirements to the satisfaction of the Authority Having Jurisdiction.
- (b) OSB sheathing is not permitted in FBC HVHZ jurisdictions.
- (c) Unless otherwise noted, reference to 'structural concrete' pertains to min. 2,500 psi structural concrete, and excludes 'structural lightweight concrete'.

4.1.3 Fire Classification:

- (a) Refer to **IBC, CBC, FBC 1505, FBC HVHZ 1516 and UL TGFU.R9516** and the fire classification certificate for the roof cover manufacturer for requirements and limitations regarding roof assembly fire classification.
- (b) Refer to **IBC, CBC, or 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 [Florida Product Approval](#) or [NOA](#) of the component manufacturer.



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4.2 Jurisdiction Specific:

	IBC, CBC, FBC Non-HVHZ	FBC HVHZ
4.2.1	This NER does not include evaluation of roof edge termination. Refer to IBC, CBC, 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, CBC, or FBC 1511 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 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. (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 .	Refer to FBC HVHZ 1521 for requirements and limitations regarding recover installations. 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 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. 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	<u>Wind Load Resistance:</u> (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, CBC, or FBC 1609 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, CBC, or 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. (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.	 "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. 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 . 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.



4.3 System Listings and Allowable Design Pressures: See Section 4.2.4

APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE					
TABLE	DECK	APPLICATION	TYPE	DESCRIPTION	PAGE
1A	Wood	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	13
1B	Wood	New, Reroof (Tear-Off)	A-2	Bonded Vapor/Air Barrier, Bonded Insulation, Bonded Roof Cover	16
1C	Wood	New, Reroof (Tear-Off)	B-2	Mechanically Attached Thermal Barrier, Bonded Vapor/Air Barrier, Bonded Insulation, Bonded Roof Cover	18
1D	Wood	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	26
1E	Wood	New, Reroof (Tear-Off), Recover	C-2	Induction Welded Roof Cover	29
1F	Wood	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover (stress plates)	30
1G	Wood	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover (batten strips)	31
1H	Wood	New, Reroof (Tear-Off), Recover	E-1	Non-Insulated, Mechanically Attached Roof Cover	31
1I	Wood	New, Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	32
2A	Steel	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	32
2B	Steel	New, Reroof (Tear-Off)	A-1	Bonded Vapor Barrier, Bonded Insulation, Bonded Roof Cover	32
2C	Steel	New, Reroof (Tear-Off)	A-1	Bonded Thermal Barrier, Bonded Vapor Barrier, Bonded Insulation, Bonded Roof Cover	35
2D	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	37
2E	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	B-2	Mechanically Attached Base Insulation, Bonded Vapor Barrier, Bonded Top Insulation, Bonded Roof Cover	53
2F	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	58
2G	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	C-2	Induction Welded Roof Cover	68
2H	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover (Stress Plate)	70
2I	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover (Battens)	73
2J	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	D-2	Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	75
3A	Structural concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	77
3B	Structural concrete	New, Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	99
4A	Deck with Lightweight Concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	100
4B	Deck with Lightweight Concrete	New, Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	111
5A	Cementitious Wood Fiber	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	113
5B	Cementitious Wood Fiber	Reroof (Tear-Off)	A-2	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	114
6A	Existing Gypsum	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	115
6B	Existing Gypsum	Reroof (Tear-Off)	A-2	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	116
6C	Existing Gypsum	Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	117
7A	Various	Recover	A-1	Bonded Insulation, Bonded Roof Cover	117
7B	Steel	Recover	C-2	Induction Welded Roof Cover	135
7C	Steel	Recover	D-1	Insulated, Mechanically Attached Roof Cover	136
7D	Steel	Recover	D-1	Insulated, Mechanically Attached Roof Cover (RMA Strips)	137
7E	Steel	Recover	E-1	Non-Insulated, Mechanically Attached Roof Cover	137
7F	Various	Recover	F	Non-Insulated, Bonded Roof Cover	137



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**TABLE 1A: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 NOT FOR USE IN HVHZ JURISDICTIONS**

SYSTEM No.	Deck (4.1.2)	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)	MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)		
ELEVATE ULTRAPLY TPO SYSTEMS:							
W-1.	OSB, APA rated, 7/16 CAT, 0.418-in. thick, Exposure 1 or Plywood, 15/32-in., span rating 32/16, Grade CDX, APA rated, 4-ply at 24-in. span, fastened with #8 wood screws, 6-in. o.c. to nominal 2x10 SYP lumber at 24-in. o.c., two (2) per joist.	Min. 1.5-inch Elevate ISOGARD GL or ISOGARD CG	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack, or Twin Jet	(Optional) Additional Layer(s) base insulation	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack, or Twin Jet	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-45.0
W-2.	OSB, APA rated, 7/16 CAT, 0.418-in. thick, Exposure 1 or Plywood, 15/32-in., span rating 32/16, Grade CDX, APA rated, 4-ply at 24-in. span, fastened with #8 wood screws, 6-in. o.c. to nominal 2x10 SYP lumber at 24-in. o.c., two (2) per joist.	(Optional) Min. 1.5-inch Elevate ISOGARD GL or ISOGARD CG	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack or Twin Jet	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack or Twin Jet	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-67.5
W-3.	OSB, APA rated, 7/16 CAT, 0.418-in. thick, Exposure 1 or Plywood, 15/32-in., span rating 32/16, Grade CDX, APA rated, 4-ply at 24-in. span, fastened with #8 wood screws, 6-in. o.c. to nominal 2x10 SYP lumber at 24-in. o.c., two (2) per joist.	Min. 0.25-inch DensDeck Prime	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack, or Twin Jet	None	N/A	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-105.0
W-4.	OSB, APA rated, 7/16 CAT, 0.418-in. thick, Exposure 1 at 24-in. span, fastened with #8 wood screws, 6-in. o.c. to nominal 2x10 SYP lumber at 24-in. o.c., two (2) per joist.	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack, or Twin Jet	None	N/A	BB-JBSA, BB-LVOC, BB-LVOC-1168, or BB-UPBA	-105.0
W-5.	Plywood, 15/32-in., span rating 32/16, Grade CDX, APA rated, 4-ply at 24-in. span, fastened with #8 wood screws, 6-in. o.c. to nominal 2x10 SYP lumber at 24-in. o.c., two (2) per joist.	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack, or Twin Jet	None	N/A	BB-JBSA, BB-LVOC, BB-LVOC-1168, or BB-UPBA	-157.5
ELEVATE ULTRAPLY TPO XR SYSTEMS:							
W-6.	OSB, APA rated, 7/16 CAT, 0.418-in. thick, Exposure 1 or Plywood, 15/32-in., span rating 32/16, Grade CDX, APA rated, 4-ply at 24-in. span, fastened with #8 wood screws, 6-in. o.c. to nominal 2x10 SYP lumber at 24-in. o.c., two (2) per joist.	Min. 1.5-inch Elevate ISOGARD GL or ISOGARD CG	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack, or Twin Jet	(Optional) Additional Layer(s) base insulation	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack, or Twin Jet	XR-ISOSR (FULL), XR-TJ (SPATTER) or XR-TJY (SPATTER)	-45.0
W-7.	OSB, APA rated, 7/16 CAT, 0.418-in. thick, Exposure 1 or Plywood, 15/32-in., span rating 32/16, Grade CDX, APA rated, 4-ply at 24-in. span, fastened with #8 wood screws, 6-in. o.c. to nominal 2x10 SYP lumber at 24-in. o.c., two (2) per joist.	(Optional) Min. 1.5-inch Elevate ISOGARD GL or ISOGARD CG	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack, or Twin Jet	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack or Twin Jet	XR-TJY (SPATTER)	-45.0



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**TABLE 1A: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 NOT FOR USE IN HVHZ JURISDICTIONS**

SYSTEM No.	Deck (4.1.2)	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)	MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)		
W-8.	OSB, APA rated, 7/16 CAT, 0.418-in. thick, Exposure 1 at 24-in. span, fastened with #8 wood screws, 6-in. o.c. to nominal 2x10 SYP lumber at 24-in. o.c., two (2) per joist.	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack, or Twin Jet	None	N/A	XR-TJY (SPATTER)	-45.0
W-9.	Plywood, 15/32-in., span rating 32/16, Grade CDX, APA rated, 4-ply at 24-in. span, fastened with #8 wood screws, 6-in. o.c. to nominal 2x10 SYP lumber at 24-in. o.c., two (2) per joist.	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack, or Twin Jet	None	N/A	XR-TJY (SPATTER)	-45.0
W-10.	OSB, APA rated, 7/16 CAT, 0.418-in. thick, Exposure 1 or Plywood, 15/32-in., span rating 32/16, Grade CDX, APA rated, 4-ply at 24-in. span, fastened with #8 wood screws, 6-in. o.c. to nominal 2x10 SYP lumber at 24-in. o.c., two (2) per joist.	(Optional) Min. 1.5-inch Elevate ISOGARD GL or ISOGARD CG	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack, or Twin Jet	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack or Twin Jet	XR-ISOSR (FULL) or XR-TJ (SPATTER)	-67.5
W-11.	OSB, APA rated, 7/16 CAT, 0.418-in. thick, Exposure 1 at 24-in. span, fastened with #8 wood screws, 6-in. o.c. to nominal 2x10 SYP lumber at 24-in. o.c., two (2) per joist.	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack, or Twin Jet	None	N/A	XR-ISOSR (FULL) or XR-TJ (SPATTER)	-105.0
W-12.	Plywood, 15/32-in., span rating 32/16, Grade CDX, APA rated, 4-ply at 24-in. span, fastened with #8 wood screws, 6-in. o.c. to nominal 2x10 SYP lumber at 24-in. o.c., two (2) per joist.	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack, or Twin Jet	None	N/A	XR-ISOSR (FULL) or XR-TJ (SPATTER)	-157.5
ELEVATE ULTRAPLY TPO SA SYSTEMS:							
W-13.	OSB, APA rated, 7/16 CAT, 0.418-in. thick, Exposure 1 or Plywood, 15/32-in., span rating 32/16, Grade CDX, APA rated, 4-ply at 24-in. span, fastened with #8 wood screws, 6-in. o.c. to nominal 2x10 SYP lumber at 24-in. o.c., two (2) per joist.	Min. 1.5-inch Elevate ISOGARD GL or ISOGARD CG	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack, or Twin Jet	(Optional) Additional Layer(s) base insulation	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack or Twin Jet	SA	-45.0
W-14.	OSB, APA rated, 7/16 CAT, 0.418-in. thick, Exposure 1 or Plywood, 15/32-in., span rating 32/16, Grade CDX, APA rated, 4-ply at 24-in. span, fastened with #8 wood screws, 6-in. o.c. to nominal 2x10 SYP lumber at 24-in. o.c., two (2) per joist.	(Optional) Min. 1.5-inch Elevate ISOGARD GL or ISOGARD CG	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack, or Twin Jet	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack or Twin Jet	SA	-67.5
W-15.	OSB, APA rated, 7/16 CAT, 0.418-in. thick, Exposure 1 at 24-in. span, fastened with #8 wood screws, 6-in. o.c. to nominal 2x10 SYP lumber at 24-in. o.c., two (2) per joist.	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack, or Twin Jet	None	N/A	SA	-105.0



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

NOT FOR USE IN HVHZ JURISDICTIONS

SYSTEM No.	Deck (4.1.2)	BASE INSULATION LAYER		TOP INSULATION LAYER(s)		ROOF COVER (3.1.4)	MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)		
W-16.	Plywood, 15/32-in., span rating 32/16, Grade CDX, APA rated, 4-ply at 24-in. span, fastened with #8 wood screws, 6-in. o.c. to nominal 2x10 SYP lumber at 24-in. o.c., two (2) per joist.	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack or Twin Jet	None	N/A	SA	-157.5



TABLE 1B: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-2: BONDED VAPOR OR AIR BARRIER, BONDED INSULATION, BONDED ROOF COVER
NOT FOR USE IN HVHZ JURISDICTIONS

Table with 9 columns: SYSTEM No., DECK (4.1.2), VAPOR OR AIR BARRIER, BASE INSULATION LAYER (TYPE, ATTACH (3.1.3)), TOP INSULATION LAYER(S) (TYPE, ATTACH (3.1.3)), ROOF COVER (3.1.4), MDP (PSF). Rows include systems W-17 through W-26, categorized into ELEVATE ULTRAPLY TPO SYSTEMS and ELEVATE ULTRAPLY TPO XR SYSTEMS.



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Amrize Building Envelope LLC (Elevate)

FL10264-R21



ISO/IEC 17065 PCA-145

TABLE 1B: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-2: BONDED VAPOR OR AIR BARRIER, BONDED INSULATION, BONDED ROOF COVER
NOT FOR USE IN HVHZ JURISDICTIONS

SYSTEM No.	Deck (4.1.2)	VAPOR OR AIR 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)		
			ISOGARD GL, Elevate ISOGARD CG		Gypsum-Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch Elevate ISOGARD HD			
W-27.	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	Twin Jet Y (SPATTER)	Min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, Elevate ISOGARD HD	Twin Jet Y (SPATTER)	XR-TJY	-45.0
W-28.	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	XR-TJY	-45.0
W-29.	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layers, min. 1-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack or I.S.O. Spray R	XR-HA	-52.5
W-30.	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layers, min. 1-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R	XR-JBSA, XR-ISOR (RIBBON, 4), XR-XRSMA (RIBBON, 4), XR-TJ	-52.5
W-31.	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layers, min. 1-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R	XR-BA	-52.5
W-32.	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	Twin Jet Y (SPATTER)	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y (SPATTER)	XR-HA	-90.0
W-33.	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	Twin Jet Y (SPATTER)	Min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, Elevate ISOGARD HD	Twin Jet Y (SPATTER)	XR-JBSA, XR-ISOR (RIBBON, 4), XR-XRSMA (RIBBON, 4), XR-TJ	-90.0
W-34.	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layers, min. 1-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y (SPATTER)	XR-BA	-90.0



TABLE 1B: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-2: BONDED VAPOR OR AIR BARRIER, BONDED INSULATION, BONDED ROOF COVER
NOT FOR USE IN HVHZ JURISDICTIONS

SYSTEM No.	DECK (4.1.2)	VAPOR OR AIR 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)		
W-35.	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	XR-HA	-112.5
W-36.	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	XR-JBSA, XR-ISOR (RIBBON, 4), XR-XRSMA (RIBBON, 4), XR-TJ	-112.5
W-37.	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layers, min. 1-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or Elevate ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	XR-BA	-112.5
ELEVATE ULTRAPLY TPO SA SYSTEMS:								
W-38.	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layers, min. 1-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R	SA	-52.5
W-39.	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	Twin Jet Y (SPATTER)	Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y (SPATTER)	SA	-90.0
W-40.	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or Elevate ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	SA	-112.5

TABLE 1c: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, BONDED INSULATION

SYSTEM No.	DECK (4.1.2)	THERMAL BARRIER			VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (4.2.3b)	MDP (PSF)
		TYPE	FASTEN (4.2.2)	ATTACH (3.1.2b)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)		
ELEVATE ULTRAPLY TPO SYSTEMS:											
W-41.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layers, min. 1-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack or I.S.O. Spray R	BB-JBSA, BB-LVOC-1168, BB-UPBA	-52.5



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TABLE 1c: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)

SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, BONDED INSULATION

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER			VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (4.2.3b)	MDP (PSF)
		TYPE	FASTEN (4.2.2)	ATTACH (3.1.2b)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)		
W-42.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layers, min. 1-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA, or BB-WBBA-P	-52.5
W-43.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layers, min. 1-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack or I.S.O. Spray R	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-52.5
W-44.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-60.0
W-45.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA, or BB-WBBA-P	-60.0
W-46.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	BB-JBSA, BB-LVOC-1168, BB-UPBA	-60.0
W-47.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	Twin Jet Y (SPATTER)	Min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch DEXcell FA Glass Mat Roof Board	Twin Jet Y (SPATTER)	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-60.0



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TABLE 1c: Wood DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)

SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, BONDED INSULATION

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER			VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (4.2.3b)	MDP (PSF)
		TYPE	FASTEN (4.2.2)	ATTACH (3.1.2b)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)		
W-48.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	Twin Jet Y (SPATTER)	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y (SPATTER)	BB-JBSA, BB-LVOC-1168, BB-UPBA	-60.0
W-49.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	Twin Jet Y (SPATTER)	Min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y (SPATTER)	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA, or BB-WBBA-P	-60.0
W-50.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.5-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-75.0
W-51.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.5-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA, or BB-WBBA-P	-75.0
W-52.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.5-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	BB-JBSA, BB-LVOC-1168, BB-UPBA	-75.0
W-53.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.5-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch SecurShield, Elevate ISOGARD GL, Elevate ISOGARD CG	Twin Jet Y (SPATTER)	Min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch DEXcell FA Glass Mat Roof Board	Twin Jet Y (SPATTER)	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-75.0



TABLE 1c: Wood DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)

SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, BONDED INSULATION

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER			VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (4.2.3b)	MDP (PSF)
		TYPE	FASTEN (4.2.2)	ATTACH (3.1.2b)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)		
W-54.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.5-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch SecurShield, Elevate ISOGARD GL, Elevate ISOGARD CG	Twin Jet Y (SPATTER)	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y (SPATTER)	BB-JBSA, BB-LVOC-1168, BB-UPBA	-75.0
W-55.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.5-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch SecurShield, Elevate ISOGARD GL, Elevate ISOGARD CG	Twin Jet Y (SPATTER)	Min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y (SPATTER)	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA, or BB-WBBA-P	-75.0
ELEVATE ULTRAPLY TPO XR SYSTEMS:											
W-56.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layers, min. 1-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R	XR-TJY	-45.0
W-57.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board, or ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	XR-TJY	-45.0
W-58.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	Twin Jet Y (SPATTER)	Min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, Elevate ISOGARD HD	Twin Jet Y (SPATTER)	XR-TJY	-45.0
W-59.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.5-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board, or ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	XR-TJY	-45.0



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TABLE 1c: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)											
SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, BONDED INSULATION											
SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER			VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (4.2.3b)	MDP (PSF)
		TYPE	FASTEN (4.2.2)	ATTACH (3.1.2b)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)		
W-60.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.5-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch SecurShield, Elevate ISOGARD GL, Elevate ISOGARD CG	Twin Jet Y (SPATTER)	Min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, Elevate ISOGARD HD	Twin Jet Y (SPATTER)	XR-TJY	-45.0
W-61.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layers, min. 1-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack or I.S.O. Spray R	XR-HA	-52.5
W-62.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layers, min. 1-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R	XR-JBSA, XR-ISOR (RIBBON, 4), XR-XRSMA (RIBBON, 4), XR-TJ	-52.5
W-63.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layers, min. 1-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R	XR-BA	-52.5
W-64.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board, or ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	XR-JBSA, XR-ISOR (RIBBON, 4), XR-XRSMA (RIBBON, 4), XR-TJ	-60.0
W-65.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	XR-HA	-60.0



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TABLE 1c: Wood DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)

SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, BONDED INSULATION

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER			VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (4.2.3b)	MDP (PSF)
		TYPE	FASTEN (4.2.2)	ATTACH (3.1.2b)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)		
W-66.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	XR-BA	-60.0
W-67.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	Twin Jet Y (SPATTER)	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y (SPATTER)	XR-HA	-60.0
W-68.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	Twin Jet Y (SPATTER)	Min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, Elevate ISOGARD HD	Twin Jet Y (SPATTER)	XR-JBSA, XR-ISOR (RIBBON, 4), XR-XRSMA (RIBBON, 4), XR-TJ	-60.0
W-69.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	Twin Jet Y (SPATTER)	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, or 0.5-inch Elevate ISOGARD HD	Twin Jet Y (SPATTER)	XR-BA	-60.0
W-70.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.5-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board, or ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	XR-JBSA, XR-ISOR (RIBBON, 4), XR-XRSMA (RIBBON, 4), XR-TJ	-75.0
W-71.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.5-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	XR-HA	-75.0



TABLE 1c: Wood DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)

SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, BONDED INSULATION

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER			VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (4.2.3b)	MDP (PSF)
		TYPE	FASTEN (4.2.2)	ATTACH (3.1.2b)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)		
W-72.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.5-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	XR-BA	-75.0
W-73.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.5-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch SecurShield, Elevate ISOGARD GL, Elevate ISOGARD CG	Twin Jet Y (SPATTER)	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y (SPATTER)	XR-HA	-75.0
W-74.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.5-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch SecurShield, Elevate ISOGARD GL, Elevate ISOGARD CG	Twin Jet Y (SPATTER)	Min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, Elevate ISOGARD HD	Twin Jet Y (SPATTER)	XR-JBSA, XR-ISOR (RIBBON, 4), XR-XRSMA (RIBBON, 4), XR-TJ	-75.0
W-75.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.5-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch SecurShield, Elevate ISOGARD GL, Elevate ISOGARD CG	Twin Jet Y (SPATTER)	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, or 0.5-inch Elevate ISOGARD HD	Twin Jet Y (SPATTER)	XR-BA	-75.0
ELEVATE ULTRAPLY TPO SA SYSTEMS:											
W-76.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layers, min. 1-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, or min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R	SA	-52.5
W-77.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board, or ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	SA	-60.0



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TABLE 1c: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)

SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, BONDED INSULATION

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER			VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (4.2.3b)	MDP (PSF)
		TYPE	FASTEN (4.2.2)	ATTACH (3.1.2b)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)		
W-78.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	Twin Jet Y (SPATTER)	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, or Elevate ISOGARD HD	Twin Jet Y (SPATTER)	SA	-60.0
W-79.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.5-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board, or ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	SA	-75.0
W-80.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.5-inch DensDeck Prime	Trufast Versa-Fast Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch SecurShield, Elevate ISOGARD GL, Elevate ISOGARD CG	Twin Jet Y (SPATTER)	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, or Elevate ISOGARD HD	Twin Jet Y (SPATTER)	SA	-75.0



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

System No.	Deck (4.1.2)	Base Insulation Layer (4.2.3)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fasten (4.2.3)	Attach (3.1.6)		
ELEVATE ULTRAPLY TPO SYSTEMS:							
W-81.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD CG	3.1.1	1 per 4.0 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-30.0* (NO HVHZ)
W-82.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.8 ft ²	BB-JBSA, BB-LVOC, BB-UPBA or BB-WBBA-P	-45.0
W-83.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD CG	3.1.1	1 per 2.7 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-45.0*
W-84.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD CG	3.1.1	1 per 1.6 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-45.0
W-85.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch Elevate ISOGARD HD	3.1.1	1 per 2.7 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-45.0*
W-86.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-45.0*
W-87.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 4.0 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-45.0*
W-88.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	3.1.1	1 per 2.7 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-45.0*
W-89.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 2.7 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-45.0*
W-90.	Plywood, APA, 23/32-inch, rating 48/24, Grade CDX	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	3.1.1	1 per 2.7 ft ²	BB-JBSA, BB-LVOC or BB-UPBA	-45.0*
W-91.	Plywood, APA, 23/32-inch, rating 48/24, Grade CDX	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 2.7 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-45.0*
W-92.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	(Optional) One or more layers, any combination, 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	3.1.1	1 per 2.13 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-45.0*
W-93.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 1.6 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-45.0



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

System No.	Deck (4.1.2)	Base Insulation Layer (4.2.3)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fasten (4.2.3)	Attach (3.1.6)		
W-94.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck or DensDeck Prime	3.1.1	1 per 1.6 ft ²	BB-JBSA, BB-LVOC, BB-UPBA or BB-WBBA-P	-45.0
W-95.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.13 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-52.5
W-96.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.8 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-67.5
ELEVATE ULTRAPLY TPO XR / HOT ASPHALT SYSTEMS:							
W-97.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	3.1.1	1 per 2.7 ft ²	XR-HA	-45.0*
W-98.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.13 ft ²	XR-HA	-45.0*
W-99.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) 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	XR-HA	-45.0
ELEVATE ULTRAPLY TPO XR / JET BOND SYSTEMS:							
W-100.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	3.1.1	1 per 2.7 ft ²	XR-JBSA	-45.0*
W-101.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.13 ft ²	XR-JBSA	-45.0*
W-102.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) 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	XR-JBSA	-45.0
ELEVATE ULTRAPLY TPO XR / TWIN JET SYSTEMS:							
W-103.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	3.1.1	1 per 2.7 ft ²	XR-TJ or XR-TJY (RIBBON, 6 or SPATTER)	-45.0*
W-104.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	3.1.1	1 per 2.13 ft ²	XR-TJ or XR-TJY (RIBBON, 6 or SPATTER)	-45.0*



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

System No.	Deck (4.1.2)	Base Insulation Layer (4.2.3)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fasten (4.2.3)	Attach (3.1.6)		
W-105.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.13 ft ²	XR-TJ or XR-TJY (RIBBON, 12 or SPATTER)	-45.0*
W-106.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) 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	XR-TJ or XR-TJY (RIBBON, 12 or SPATTER)	-45.0
ELEVATE ULTRAPLY TPO XR / XR STICK SYSTEMS:							
W-107.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	3.1.1	1 per 2.7 ft ²	XR-XRSMA (RIBBON, 12)	-45.0*
W-108.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	(Optional) One or more layers, any combination, 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	3.1.1	1 per 2.13 ft ²	XR-XRSMA (RIBBON, 12)	-45.0*
W-109.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	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	3.1.1	1 per 1.6 ft ²	XR-XRSMA (RIBBON, 12)	-45.0
ELEVATE ULTRAPLY TPO SA SYSTEMS:							
W-110.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD CG	3.1.1	1 per 4.0 ft ²	SA	-30.0* (NO HVHZ)
W-111.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft ²	SA	-37.5* (NO HVHZ)
W-112.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.8 ft ²	SA	-45.0
W-113.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD CG	3.1.1	1 per 2.7 ft ²	SA	-45.0*
W-114.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD CG	3.1.1	1 per 1.6 ft ²	SA	-45.0
W-115.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch Elevate ISOGARD HD	3.1.1	1 per 2.7 ft ²	SA	-45.0*
W-116.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	3.1.1	1 per 2.7 ft ²	SA	-45.0*



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

System No.	Deck (4.1.2)	Base Insulation Layer (4.2.3)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fasten (4.2.3)	Attach (3.1.6)		
W-117.	Plywood, APA, 23/32-inch, rating 48/24, Grade CDX	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	3.1.1	1 per 2.7 ft ²	SA	-45.0*
W-118.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.13 ft ²	SA	-45.0*
W-119.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) 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	SA	-45.0
W-120.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime	3.1.1	1 per 1.6 ft ²	SA	-45.0
W-121.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.13 ft ²	SA	-52.5
W-122.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.8 ft ²	SA	-67.5

**TABLE 1E: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
 SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER**


System No.	Deck (4.1.2)	Thermal Barrier and/or Insulation Layer (4.2.3)	Attach (3.1.6)		Roof Cover (3.1.4)	MDP (psf)
			Fasten (4.2.3)	Density / Pattern		
W-123.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch.), Exposure 1	Any approved thermal barrier and/or insulation, any combination	Elevate Heavy Duty Fastener and Elevate UltraPly TPO InvisiWeld Plate	6 parts per 4 x 8 ft board 1 per 5.3 ft ² 	Elevate UltraPly TPO or UltraPly TPO Platinum induction welded to Elevate UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-45.0*
W-124.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch.), Exposure 1	Any approved thermal barrier and/or insulation, any combination	Elevate Heavy Duty Fastener and Elevate UltraPly TPO InvisiWeld Plate	8 parts per 4 x 8 ft board 1 per 4.0 ft ²	Elevate UltraPly TPO or UltraPly TPO Platinum induction welded to Elevate UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-45.0*



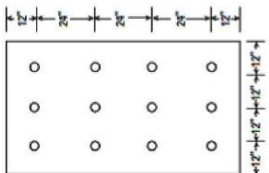
TABLE 1E: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER						
SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER						
System No.	Deck (4.1.2)	Thermal Barrier and/or Insulation Layer (4.2.3)	Attach (3.1.6)		Roof Cover (3.1.4)	MDP (psf)
			Fasten (4.2.3)	Density / Pattern		
W-125.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX	(Optional) Any approved thermal barrier and/or insulation, any combination, prelim. attached (3.1.2)	Elevate Heavy Duty Fastener and Elevate UltraPly TPO InvisiWeld Plate	Max. 6-inch o.c. in rows max. 72-inch o.c.	Elevate UltraPly TPO or UltraPly TPO Platinum induction welded to Elevate UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-52.5
W-126.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	Any approved thermal barrier and/or insulation, any combination	Elevate Heavy Duty Fastener and Elevate UltraPly TPO InvisiWeld Plate	12 parts per 4 x 8 ft board 1 per 2.7 ft ² 	Elevate UltraPly TPO or UltraPly TPO Platinum induction welded to Elevate UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-52.5
W-127.	Code minimum plywood or OSB (NO HVHZ)	(Optional) Any approved thermal barrier and/or insulation, any combination, prelim. attached (3.1.2)	Elevate Heavy Duty Fastener and Elevate UltraPly TPO InvisiWeld Plate	Fastener spaced max. 6-inch o.c. in rows spaced max. 96-inch o.c. along wood structural members	Elevate UltraPly TPO or UltraPly TPO Platinum induction welded to Elevate UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-75.0
W-128.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX	(Optional) Any approved thermal barrier and/or insulation, any combination, prelim. attached (3.1.2)	Elevate Heavy Duty Fastener and Elevate UltraPly TPO InvisiWeld Plate	Max. 6-inch o.c. in rows max. 60-inch o.c.	Elevate UltraPly TPO or UltraPly TPO Platinum induction welded to Elevate UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-82.5

TABLE 1F: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER								
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (STRESS PLATE)								
System No.	Deck (4.1.2)	Insulation (4.2.3)			Roof Cover			MDP (psf)
		Type	Attach (3.1.2)	Membrane	Fasten (4.2.3)	Attach		
W-129.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	Min. 1-inch ISOGARD GL or ISOGARD CG, min. 0.5-inch Elevate ISOGARD HD and/or min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum Fiber Roof Board	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Fastener with Elevate HD Seam Plate	12-inch o.c. within 6-inch wide laps spaced 42-inch o.c. Laps sealed with 1.5-inch heat weld.	-30.0* (NO HVHZ)	
W-130.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1	Min. 1-inch ISOGARD GL or ISOGARD CG, min. 0.5-inch Elevate ISOGARD HD and/or min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum Fiber Roof Board	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Fastener with Elevate HD Seam Plate	6-inch o.c. within 6-inch wide laps spaced 42-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0*	



TABLE 1F: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER								
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (STRESS PLATE)								
System No.	Deck (4.1.2)	Insulation (4.2.3)			Roof Cover			MDP (psf)
		Type	Attach (3.1.2)	Membrane	Fasten (4.2.3)	Attach		
W-131.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch.), Exposure 1	Min. 1-inch ISOGARD GL or ISOGARD CG, min. 0.5-inch Elevate ISOGARD HD and/or min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum Fiber Roof Board	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Fastener with Elevate HD Seam Plate	24-inch o.c. within 6-inch wide laps spaced 42-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0*	
W-132.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	Optional min. 1-inch ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch Elevate ISOGARD HD, min. 1-inch ISOGARD CG or min. 1.5-inch Elevate ISOGARD HD Composite	prelim. attached	Elevate UltraPly TPO (min. 60-mil) or UltraPly TPO Platinum	Elevate HD Fastener with Elevate HD Seam Plate	5-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0	
W-133.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX or nominal 1-inch wood plank	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Fastener with Elevate HD Seam Plate	6-inch o.c. within 6-inch wide laps spaced 90.5-inch o.c. Laps sealed with 5-inch heat weld that encapsulates plates.	-60.0	

TABLE 1G: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER							
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (BATTEN STRIPS)							
System No.	Deck (4.1.2)	Insulation (4.2.3)		Roof Cover			MDP (psf)
		Type	Attach (3.1.2)	Membrane	Fasten (3.1.2)	Attach	
W-134.	Plywood, APA, 15/32-inch, rating 32/16, Grade CDX	Min. 0.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate UltraPly QuickSeam R.M.A. Strips with Elevate All-Purpose Fastener with Elevate Polymer Batten Strip	Elevate UltraPly QuickSeam R.M.A. Strips are applied over the insulation spaced 96-inch o.c. The batten is centered over each strip and fastened 6-inch o.c. Roof cover adhered to each strip by first priming with Single-Ply QuickPrime Primer at the strip location, then rolling into place with a hand roller.	-30.0 (NO HVHZ)

TABLE 1H: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER						
SYSTEM TYPE E-1: NON-INSULATED, MECHANICALLY ATTACHED ROOF COVER						
System No.	Deck (4.1.2)	Roof Cover				MDP (psf)
		Membrane	Fasten (4.2.3)	Attach		
W-135.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Fastener with Elevate HD Seam Plate	6-inch o.c. within 6-inch wide laps spaced 72-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0	



TABLE 1: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER
NOT FOR USE IN HVHZ JURISDICTIONS

System No.	Deck (4.1.2)	Roof Cover (3.1.4)	MDP (psf)*
W-136.	OSB (NO-HVHZ), APA, 7/16-inch (0.418 inch), Exposure 1 (installed smooth side up)	SA	-67.5 (NO HVHZ)
W-137.	Plywood, APA, 19/32-inch, rating 32/16, Grade CDX	SA	-97.5 (NO HVHZ)

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

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)		
ELEVATE ULTRAPLY TPO SYSTEMS:							
SC-1.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch ISOGARD GL	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack, 12-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-45.0*
SC-2.	Min. 22 ga., type B, Grade 33 steel	Min. 2-inch ISOGARD GL	I.S.O. Twin Pack, 6-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Twin Pack, 6-inch o.c.	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-75.0*
ELEVATE ULTRAPLY TPO SA SYSTEMS:							
SC-3.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch ISOGARD GL	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack, 12-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	SA	-45.0*
SC-4.	Min. 22 ga., type B, Grade 33 steel	Min. 2-inch ISOGARD GL	I.S.O. Twin Pack, 6-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Twin Pack, 6-inch o.c.	SA	-75.0*

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

System No.	Deck (4.1.2)	Vapor Barrier	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
ELEVATE ULTRAPLY TPO SYSTEMS:								
SC-5.	Min. 22 ga., type B, Grade 33 steel	V-Force or V-Force FR with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 1.5-inch ISOGARD GL	I.S.O. Spray R or I.S.O. Twin Pack, 12-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Spray R or I.S.O. Twin Pack	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-37.5 (NO HVHZ)
SC-6.	Min. 22 ga., type B, Grade 33 steel	V-Force or V-Force FR with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 1.5-inch ISOGARD GL	I.S.O. Stick, Twin Jet or I.S.O. Spray R or I.S.O. Twin Pack, 12-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Stick, Twin Jet or I.S.O. Spray R or I.S.O. Twin Pack	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-45.0*
SC-7.	Min. 22 ga., type B, Grade 33 steel	V-Force with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 2-inch ISOGARD GL	I.S.O. Twin Pack, 6-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Twin Pack, 6-inch o.c.	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-60.0*



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

System No.	Deck (4.1.2)	Vapor Barrier	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
SC-8.	Min. 22 ga., type B, Grade 33 steel	V-Force FR with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 2-inch ISO GARD GL	I.S.O. Twin Pack, 6-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Twin Pack, 6-inch o.c.	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-45.0
SC-9.	Min. 22 ga., Type B, Grade 40 steel	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISO GARD GL, Elevate ISO GARD CG	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	BB-JBSA, BB-LVOC-1168, BB-UPBA	-90.0
SC-10.	Min. 22 ga., Type B, Grade 40 steel	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISO GARD GL, Elevate ISO GARD CG	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	Min. 0.5-inch Elevate ISO GARD HD	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA, or BB-WBBA-P	-90.0
SC-11.	Min. 22 ga., Type B, Grade 40 steel	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISO GARD GL, Elevate ISO GARD CG	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-90.0
SC-12.	Min. 22 ga., Type B, Grade 40 steel	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISO GARD GL or Elevate ISO GARD CG	Twin Jet Y (SPATTER)	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y (SPATTER)	BB-JBSA, BB-LVOC-1168, BB-UPBA	-90.0
SC-13.	Min. 22 ga., Type B, Grade 40 steel	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISO GARD GL or Elevate ISO GARD CG	Twin Jet Y (SPATTER)	Min. 0.5-inch Elevate ISO GARD HD	Twin Jet Y (SPATTER)	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA, or BB-WBBA-P	-90.0
SC-14.	Min. 22 ga., Type B, Grade 40 steel	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISO GARD GL or Elevate ISO GARD CG	Twin Jet Y (SPATTER)	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	Twin Jet Y (SPATTER)	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-90.0

ELEVATE ULTRAPLY TPO XR SYSTEMS:



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

System No.	Deck (4.1.2)	Vapor Barrier	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
SC-15.	Min. 22 ga., Type B, Grade 40 steel	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	0.5-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	XR-HA	-90.0
SC-16.	Min. 22 ga., Type B, Grade 40 steel	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board or min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	XR-JBSA, XR-ISOR (RIBBON, 4), XR-XRSMA (RIBBON, 4), XR-TJ, or XR-TJY	-90.0
SC-17.	Min. 22 ga., Type B, Grade 40 steel	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	0.5-inch SECUROCK Gypsum-Fiber Roof Board or ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	XR-BA	-90.0
SC-18.	Min. 22 ga., Type B, Grade 40 steel	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL or Elevate ISOGARD CG	Twin Jet Y (SPATTER)	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y (SPATTER)	XR-HA	-90.0
SC-19.	Min. 22 ga., Type B, Grade 40 steel	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL or Elevate ISOGARD CG	Twin Jet Y (SPATTER)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y (SPATTER)	XR-JBSA, XR-ISOR (RIBBON, 4), XR-XRSMA (RIBBON, 4), XR-TJ, or XR-TJY	-90.0
SC-20.	Min. 22 ga., Type B, Grade 40 steel	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL or Elevate ISOGARD CG	Twin Jet Y (SPATTER)	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y (SPATTER)	XR-BA	-90.0
ELEVATE ULTRAPLY TPO SA SYSTEMS:								
SC-21.	Min. 22 ga., type B, Grade 33 steel	V-Force or V-Force FR with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 1.5-inch ISOGARD GL	I.S.O. Spray R or I.S.O. Twin Pack, 12-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Spray R or I.S.O. Twin Pack	SA	-37.5 (NO HVHZ)



TABLE 2B: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)								
SYSTEM TYPE A-1: BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER								
System No.	Deck (4.1.2)	Vapor Barrier	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
SC-22.	Min. 22 ga., type B, Grade 33 steel	V-Force or V-Force FR with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 1.5-inch ISOGARD GL	I.S.O. Stick, Twin Jet or I.S.O. Spray R or I.S.O. Twin Pack, 12-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Stick, Twin Jet or I.S.O. Spray R or I.S.O. Twin Pack	SA	-45.0*
SC-23.	Min. 22 ga., type B, Grade 33 steel	V-Force with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 2-inch ISOGARD GL	I.S.O. Twin Pack, 6-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Twin Pack, 6-inch o.c.	SA	-60.0
SC-24.	Min. 22 ga., type B, Grade 33 steel	V-Force FR with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 2-inch ISOGARD GL	I.S.O. Twin Pack, 6-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Twin Pack, 6-inch o.c.	SA	-45.0
SC-25.	Min. 22 ga., Type B, Grade 40 steel	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL or Elevate ISOGARD CG	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R, 6-inch o.c.	SA	-90.0
SC-26.	Min. 22 ga., Type B, Grade 40 steel	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL or Elevate ISOGARD CG	Twin Jet Y (SPATTER)	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, Elevate ISOGARD HD	Twin Jet Y (SPATTER)	SA	-90.0

TABLE 2c: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)										
SYSTEM TYPE A-1: BONDED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER										
System No.	Deck (4.1.2)	Thermal Barrier		Vapor Barrier	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)		
ELEVATE ULTRAPLY TPO SYSTEMS:										
SC-27.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime	I.S.O. Stick, Twin Jet, 12-inch o.c. along top flanges of steel deck	BASEGARD SA with min. 3-inch side laps self-adhered	Min. 0.5-inch ISOGARD GL	Hot asphalt	(Optional) Additional layers base insulation	Hot asphalt	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-45.0*
SC-28.	Min. 22 ga., Type B, Grade 40 steel	Min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, or DEXcell FA Glass Mat Roof Board	I.S.O. Twin Pack or I.S.O. Spray R (every other flute)	V-Force FR, self-adhering	One or more layers, min. 1-inch Elevate ISOGARD GL, Elevate ISOGARD CG,	I.S.O. Twin Pack or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack or I.S.O. Spray R	BB-JBSA, BB-LVOC-1168, BB-UPBA	-52.5



TABLE 2c: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)

SYSTEM TYPE A-1: BONDED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Thermal Barrier		Vapor Barrier	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)		
SC-29.	Min. 22 ga., Type B, Grade 40 steel	Min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, or DEXcell FA Glass Mat Roof Board	I.S.O. Twin Pack or I.S.O. Spray R (every other flute)	V-Force FR, self-adhering	One or more layers, min. 1-inch Elevate ISOGARD GL, Elevate ISOGARD CG,	I.S.O. Twin Pack or I.S.O. Spray R	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA, or BB-WBBA-P	-52.5
SC-30.	Min. 22 ga., Type B, Grade 40 steel	Min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, or DEXcell FA Glass Mat Roof Board	I.S.O. Twin Pack or I.S.O. Spray R (every other flute)	V-Force FR, self-adhering	One or more layers, min. 1-inch Elevate ISOGARD GL, Elevate ISOGARD CG,	I.S.O. Twin Pack or I.S.O. Spray R	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack or I.S.O. Spray R	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-52.5
ELEVATE ULTRAPLY TPO XR SYSTEMS:										
SC-31.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch DensDeck Prime, SECUROCK Gypsum Fiber Roof Board or DEXcell FA Glass Mat Roof Board	I.S.O. Twin Pack or I.S.O. Spray R (every other flute)	V-Force FR, self-adhering	One or more layers, min. 1-inch Elevate ISOGARD GL, Elevate ISOGARD CG,	I.S.O. Twin Pack or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack or I.S.O. Spray R	XR-HA	-52.5
SC-32.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch DensDeck Prime, SECUROCK Gypsum Fiber Roof Board or DEXcell FA Glass Mat Roof Board	I.S.O. Twin Pack or I.S.O. Spray R (every other flute)	V-Force FR, self-adhering	One or more layers, min. 1-inch Elevate ISOGARD GL, Elevate ISOGARD CG,	I.S.O. Twin Pack or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R	XR-JBSA, XR-ISOR (RIBBON, 4), XR-XRSMA (RIBBON, 4), XR-TJ, or XR-TJY	-52.5
SC-33.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch DensDeck Prime, SECUROCK Gypsum Fiber Roof Board or DEXcell FA Glass Mat Roof Board	I.S.O. Twin Pack or I.S.O. Spray R (every other flute)	V-Force FR, self-adhering	One or more layers, min. 1-inch Elevate ISOGARD GL, Elevate ISOGARD CG,	I.S.O. Twin Pack or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R	XR-BA	-52.5

ELEVATE ULTRAPLY TPO SA SYSTEMS:



TABLE 2c: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)										
SYSTEM TYPE A-1: BONDED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER										
System No.	Deck (4.1.2)	Thermal Barrier		Vapor Barrier	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)		
SC-34.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime	I.S.O. Stick, Twin Jet, 12-inch o.c. along top flanges of steel deck	BASEGARD SA with min. 3-inch side laps self-adhered	Min. 0.5-inch ISOGARD GL	Hot asphalt	(Optional) Additional layers base insulation	Hot asphalt	SA	-45.0*
SC-35.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch DensDeck Prime SECUROCK Gypsum-Fiber Roof Board, or DEXcell FA Glass Mat Roof Board	I.S.O. Twin Pack or I.S.O. Spray R (every other flute)	V-Force FR, self-adhering	One or more layers, min. 1-inch Elevate ISOGARD GL, Elevate ISOGARD CG,	I.S.O. Twin Pack or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R	SA	-52.5

TABLE 2d: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER										
SYSTEM TYPE B-1: MECHANICALLY FASTENED 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 (4.2.3)	Attach (3.1.6)	Type	Attach (3.1.3)				
ELEVATE ULTRAPLY TPO SYSTEMS:										
SC-36.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 4.0 ft ²	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick; Twin Jet; I.S.O. Spray R; I.S.O. Twin Pack	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-37.5* (NO HVHZ)		
SC-37.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Optional min. 1.5-inch ISOGARD GL followed by min. 0.5-inch Tapered ISOGARD GL	I.S.O. Spray R	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-45.0*		
SC-38.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD CG	3.1.1	1 per 2.7 ft ²	Optional min. 1.5-inch ISOGARD CG followed by min. 0.5-inch Tapered ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-45.0*		
SC-39.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD CG	3.1.1	1 per 4.0 ft ²	Optional min. 1.5-inch ISOGARD CG followed by min. 0.5-inch Tapered ISOGARD CG	I.S.O. Stick; Twin Jet; I.S.O. Spray R; I.S.O. Twin Pack	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-45.0*		
SC-40.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 4.0 ft ²	Min. 1.5-inch Elevate ISOGARD HD Composite	I.S.O. Stick; Twin Jet; I.S.O. Spray R; I.S.O. Twin Pack	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-45.0*		
SC-41.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.7 ft ²	Min. 1.5-inch Elevate ISOGARD HD Composite	I.S.O. Stick; Twin Jet; I.S.O. Spray R; I.S.O. Twin Pack	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-45.0*		



**TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY FASTENED 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 (4.2.3)	Attach (3.1.6)	Type	Attach (3.1.3)		
SC-42.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-45.0*
SC-43.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick or Twin Jet	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-45.0*
SC-44.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick; Twin Jet; I.S.O. Spray R; I.S.O. Twin Pack	Elevate UltraPly TPO or UltraPly TPO Platinum / WBBA-P	-45.0
SC-45.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack, I.S.O. Stick, Twin Jet or Polyset CRA	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, UP-BA	-45.0*
SC-46.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack, I.S.O. Stick, Twin Jet or Polyset CRA	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA-1168	-45.0*
SC-47.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R; I.S.O. Twin Pack, I.S.O. Stick, Twin Jet	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA, LVOC-BA-116A, UP-BA or WBBA-P	-45.0*
SC-48.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Optional min. 1.5-inch ISOGARD GL or min. 0.5-inch Tapered ISOGARD GL followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-45.0*
SC-49.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft ²	Optional min. 1.5-inch ISOGARD CG followed by min. 0.5-inch Tapered ISOGARD CG	I.S.O. Stick; Twin Jet; I.S.O. Spray R; I.S.O. Twin Pack	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-45.0*
SC-50.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch ISOGARD GL followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick; Twin Jet; I.S.O. Spray R; I.S.O. Twin Pack	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-45.0*
SC-51.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch ISOGARD GL followed by Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick; Twin Jet; I.S.O. Spray R; I.S.O. Twin Pack	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA, LVOC-BA-116A, UP-BA or WBBA-P	-45.0*
SC-52.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick; Twin Jet; I.S.O. Spray R; I.S.O. Twin Pack, 6-inch o.c.	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-60.0



TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY FASTENED 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 (4.2.3)	Attach (3.1.6)	Type	Attach (3.1.3)		
SC-53.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick; Twin Jet; I.S.O. Spray R; I.S.O. Twin Pack, 6-inch o.c.	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA, LVOC-BA-116A or UP-BA	-60.0
SC-54.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.8 ft ²	Min. 1.5-inch Elevate ISOGARD HD Composite	I.S.O. Stick or Twin Jet, 12-inch o.c.	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-60.0
SC-55.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.8 ft ²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet, 6-inch o.c.	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-67.5
SC-56.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.8 ft ²	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick or Twin Jet, 6-inch o.c.	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA, LVOC-BA-116A or UP-BA	-67.5
SC-57.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.6 ft ²	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-75.0
SC-58.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick; Twin Jet; I.S.O. Spray R; I.S.O. Twin Pack, 6-inch o.c.	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-82.5
SC-59.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick; I.S.O. Twin Pack, 4-inch o.c.	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA, LVOC-BA-1168 OR UP-BA	-90.0
SC-60.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.0 ft ²	Min. 1-inch ISOGARD GL	I.S.O. Stick; Twin Jet; I.S.O. Twin Pack, 4-inch o.c.	Elevate UltraPly TPO or UltraPly TPO Platinum / WBBA-P	-105.0
SC-61.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick; Twin Jet; I.S.O. Twin Pack, 4-inch o.c.	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA, LVOC-BA-1168 OR UP-BA	-105.0
SC-62.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick; Twin Jet; I.S.O. Twin Pack, 4-inch o.c.	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA, LVOC-BA-116A or UP-BA	-105.0
SC-63.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.0 ft ²	Min. 1.5-inch ISOGARD GL	I.S.O. Spray R, 6-inch o.c.	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA, LVOC-BA-1168 OR UP-BA	-105.0
SC-64.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.0 ft ²	Min. 1.5-inch ISOGARD GL followed by min. 0.5-inch Elevate ISOGARD HD or min. 19/32-inch plywood	I.S.O. Spray R, 6-inch o.c.	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA, LVOC-BA-1168 OR UP-BA	-105.0



**TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY FASTENED 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 (4.2.3)	Attach (3.1.6)	Type	Attach (3.1.3)		
SC-65.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.0 ft ²	Min. 1-inch ISOGARD GL	I.S.O. Stick; Twin Jet; I.S.O. Spray R; I.S.O. Twin Pack, 4-inch o.c.	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA, LVOC-BA-1168 OR UP-BA	-112.5
SC-66.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD CG	3.1.1	1 per 1.0 ft ²	Min. 1.5-inch ISOGARD CG	I.S.O. Stick; Twin Jet; I.S.O. Spray R; I.S.O. Twin Pack	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA, LVOC-BA-1168 OR UP-BA	-120.0
SC-67.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.0 ft ²	Min. 1-inch ISOGARD GL	I.S.O. Stick; Twin Jet; I.S.O. Spray R; I.S.O. Twin Pack, 4-inch o.c.	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA, LVOC-BA-1168 OR UP-BA	-127.5
SC-68.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick; Twin Jet; I.S.O. Spray R; I.S.O. Twin Pack, 4-inch o.c.	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA, LVOC-BA-1168 OR UP-BA	-135.0
SC-69.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 4.0 ft ²	Min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON or SPATTER	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-37.5* (NO HVHZ)
SC-70.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Optional min. 1.5-inch ISOGARD GL followed by min. 0.5-inch Tapered ISOGARD GL	Twin Jet Y, RIBBON or SPATTER	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-45.0*
SC-71.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD CG	3.1.1	1 per 2.7 ft ²	Optional min. 1.5-inch ISOGARD CG followed by min. 0.5-inch Tapered ISOGARD CG	Twin Jet Y, RIBBON or SPATTER	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-45.0*
SC-72.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD CG	3.1.1	1 per 4.0 ft ²	Optional min. 1.5-inch ISOGARD CG followed by min. 0.5-inch Tapered ISOGARD CG	Twin Jet Y, RIBBON or SPATTER	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-45.0*
SC-73.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 4.0 ft ²	Min. 1.5-inch Elevate ISOGARD HD Composite	Twin Jet Y, RIBBON or SPATTER	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-45.0*
SC-74.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.7 ft ²	Min. 1.5-inch Elevate ISOGARD HD Composite	Twin Jet Y, RIBBON or SPATTER	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-45.0*
SC-75.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON or SPATTER	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-45.0*
SC-76.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON or SPATTER	Elevate UltraPly TPO or UltraPly TPO Platinum / WBBA-P	-45.0



**TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY FASTENED 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 (4.2.3)	Attach (3.1.6)	Type	Attach (3.1.3)		
SC-77.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON or SPATTER	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, UP-BA	-45.0*
SC-78.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON or SPATTER	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA-1168	-45.0*
SC-79.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	Twin Jet Y, RIBBON or SPATTER	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA, LVOC-BA-116A, UP-BA or WBBA-P	-45.0*
SC-80.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Optional min. 1.5-inch ISOGARD GL or min. 0.5-inch Tapered ISOGARD GL followed by min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON or SPATTER	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-45.0*
SC-81.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft ²	Optional min. 1.5-inch ISOGARD CG followed by min. 0.5-inch Tapered ISOGARD CG	Twin Jet Y, RIBBON or SPATTER	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-45.0*
SC-82.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch ISOGARD GL followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON or SPATTER	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-45.0*
SC-83.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch ISOGARD GL followed by Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	Twin Jet Y, RIBBON or SPATTER	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA, LVOC-BA-116A, UP-BA or WBBA-P	-45.0*
SC-84.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON, 4-inch o.c.	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-60.0
SC-85.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	Twin Jet Y, RIBBON, 4-inch o.c.	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA, LVOC-BA-116A or UP-BA	-60.0
SC-86.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.8 ft ²	Min. 1.5-inch Elevate ISOGARD HD Composite	Twin Jet Y, RIBBON, 4-inch o.c.	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-60.0
SC-87.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.8 ft ²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON, 4-inch o.c.	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-67.5



**TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY FASTENED 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 (4.2.3)	Attach (3.1.6)	Type	Attach (3.1.3)		
SC-88.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.8 ft ²	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	Twin Jet Y, RIBBON, 4-inch o.c.	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA, LVOC-BA-116A or UP-BA	-67.5
SC-89.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.6 ft ²	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON, 4-inch o.c.	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-75.0
SC-90.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON, 4-inch o.c.	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-82.5
SC-91.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON, 4-inch o.c.	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA, LVOC-BA-1168 OR UP-BA	-90.0
SC-92.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.0 ft ²	Min. 1-inch ISOGARD GL	Twin Jet Y, RIBBON, 4-inch o.c.	Elevate UltraPly TPO or UltraPly TPO Platinum / WBBA-P	-105.0
SC-93.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.0 ft ²	Optional additional layer(s) min. 1.5-inch ISOGARD GL followed by min. 0.5-inch Elevate ISOGARD HD, DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, or DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	Twin Jet Y, RIBBON, 4-inch o.c.	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA, LVOC-BA-1168 OR UP-BA	-105.0
SC-94.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.0 ft ²	Min. 1-inch ISOGARD GL or 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON, 4-inch o.c.	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA, LVOC-BA-1168 OR UP-BA	-112.5
SC-95.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD CG	3.1.1	1 per 1.0 ft ²	Min. 1.5-inch ISOGARD CG	Twin Jet Y, RIBBON, 4-inch o.c.	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA, LVOC-BA-1168 OR UP-BA	-112.5
ELEVATE ULTRAPLY TPO XR / JET BOND SPRAY ADHESIVE SYSTEMS:								
SC-96.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.7 ft ²	Min. 1.5-inch ISOGARD GL	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	XR-JBSA	-30.0* (NO HVHZ)
SC-97.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 4.0 ft ²	Min. 1.5-inch ISOGARD GL	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	XR-JBSA	-37.5* (NO HVHZ)
SC-98.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.25-inch ISOGARD GL	3.1.1	1 per 4.0 ft ²	Min. 1.5-inch ISOGARD GL	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	XR-JBSA	-45.0*



**TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
 SYSTEM TYPE B-1: MECHANICALLY FASTENED 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 (4.2.3)	Attach (3.1.6)	Type	Attach (3.1.3)		
SC-99.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch ISOGARD GL followed by optional min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or Elevate ISOGARD HD or min. 19/32-inch plywood	I.S.O. Spray R	XR-JBSA	-45.0*
SC-100.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Min. 1-inch ISOGARD GL followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	XR-JBSA	-45.0*
SC-101.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet, 6-inch o.c.	XR-JBSA	-60.0
SC-102.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.6 ft ²	Min. 1-inch ISOGARD GL or min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or Elevate ISOGARD HD	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet, 6-inch o.c.	XR-JBSA	-67.5
SC-103.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.7 ft ²	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON or SPATTER	XR-JBSA	-30.0* (NO HVHZ)
SC-104.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 4.0 ft ²	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON or SPATTER	XR-JBSA	-37.5* (NO HVHZ)
SC-105.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.25-inch ISOGARD GL	3.1.1	1 per 4.0 ft ²	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON or SPATTER	XR-JBSA	-45.0*
SC-106.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch ISOGARD GL followed by optional min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or Elevate ISOGARD HD	Twin Jet Y, RIBBON or SPATTER	XR-JBSA	-45.0*
SC-107.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Min. 1-inch ISOGARD GL followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON or SPATTER	XR-JBSA	-45.0*
SC-108.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON, 4-inch o.c.	XR-JBSA	-60.0
SC-109.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.6 ft ²	Min. 1-inch ISOGARD GL or min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or Elevate ISOGARD HD	Twin Jet Y, RIBBON, 4-inch o.c.	XR-JBSA	-67.5



**TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
 SYSTEM TYPE B-1: MECHANICALLY FASTENED 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 (4.2.3)	Attach (3.1.6)	Type	Attach (3.1.3)		
ELEVATE ULTRAPLY TPO XR / I.S.O. SPRAY R OR XR STICK MEMBRANE ADHESIVE SYSTEMS:								
SC-110.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.7 ft ²	Min. 1.5-inch ISOGARD GL	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-30.0* (NO HVHZ)
SC-111.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 4.0 ft ²	Min. 1.5-inch ISOGARD GL	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-37.5* (NO HVHZ)
SC-112.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.25-inch ISOGARD GL	3.1.1	1 per 4.0 ft ²	Min. 1.5-inch ISOGARD GL	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0*
SC-113.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, 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 2.0 ft ²	Min. 1.5-inch ISOGARD GL followed by optional min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 19/32-inch plywood or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0*
SC-114.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, 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 2.0 ft ²	Min. 1.5-inch ISOGARD GL followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-45.0*
SC-115.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Min. 1-inch ISOGARD GL followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0*
SC-116.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Min. 1-inch ISOGARD GL followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0*
SC-117.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Optional min. 1-inch ISOGARD GL followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0*



TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY FASTENED 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 (4.2.3)	Attach (3.1.6)	Type	Attach (3.1.3)		
SC-118.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet, 6-inch o.c.	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-60.0
SC-119.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet, 6-inch o.c.	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-60.0
SC-120.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.6 ft ²	Min. 1-inch ISOGARD GL	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet, 6-inch o.c.	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-82.5
SC-121.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet, 6-inch o.c.	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-82.5
SC-122.	Min. 22 ga., type B, Grade 33 steel	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch DensDeck Prime	I.S.O. Spray R	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 6)	-82.5
SC-123.	Min. 22 ga., type B, Grade 33 steel	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.0 ft ²	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	XR-XRSMA (RIBBON, 6)	-82.5
SC-124.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch DensDeck Prime	I.S.O. Spray R	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 6)	-97.5
SC-125.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.0 ft ²	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	XR-XRSMA (RIBBON, 6)	-97.5
SC-126.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet, 4-inch o.c.	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-127.5
SC-127.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet, 4-inch o.c.	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-127.5



TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY FASTENED 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 (4.2.3)	Attach (3.1.6)	Type	Attach (3.1.3)		
SC-128.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.7 ft ²	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON or SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-30.0* (NO HVHZ)
SC-129.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 4.0 ft ²	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON or SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-37.5* (NO HVHZ)
SC-130.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.25-inch ISOGARD GL	3.1.1	1 per 4.0 ft ²	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON or SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0*
SC-131.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, 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 2.0 ft ²	Min. 1.5-inch ISOGARD GL followed by 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	Twin Jet Y, RIBBON or SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0*
SC-132.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, 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 2.0 ft ²	Min. 1.5-inch ISOGARD GL followed by min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON or SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-45.0*
SC-133.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Min. 1-inch ISOGARD GL followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	Twin Jet Y, RIBBON or SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0*
SC-134.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Optional min. 1-inch ISOGARD GL followed by min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON or SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0*
SC-135.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	Twin Jet Y, RIBBON, 4-inch o.c.	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-60.0



TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY FASTENED 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 (4.2.3)	Attach (3.1.6)	Type	Attach (3.1.3)		
SC-136.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.6 ft ²	Min. 1-inch ISOGARD GL or min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON, 4-inch o.c.	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-82.5
SC-137.	Min. 22 ga., type B, Grade 33 steel	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch DensDeck Prime	Twin Jet Y, RIBBON, 4-inch o.c.	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 6)	-82.5
SC-138.	Min. 22 ga., type B, Grade 33 steel	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.0 ft ²	Min. 7/16-inch DEXcell Cement Roof Board	Twin Jet Y, RIBBON, 4-inch o.c.	XR-XRSMA (RIBBON, 6)	-82.5
SC-139.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch DensDeck Prime	Twin Jet Y, RIBBON, 4-inch o.c.	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 6)	-97.5
SC-140.	Min. 22 ga., type B, Grade 33 steel	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.0 ft ²	Min. 7/16-inch DEXcell Cement Roof Board	Twin Jet Y, RIBBON, 4-inch o.c.	XR-XRSMA (RIBBON, 6)	-97.5
SC-141.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	Twin Jet Y, RIBBON, 4-inch o.c.	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-112.5
ELEVATE ULTRAPLY TPO XR / TWIN JET SYSTEMS:								
SC-142.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.7 ft ²	Min. 1.5-inch ISOGARD GL	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	XR-TJ or XR-TJY (RIBBON, 6 or SPATTER)	-30.0* (NO HVHZ)
SC-143.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 4.0 ft ²	Min. 1.5-inch ISOGARD GL	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	XR-TJ or XR-TJY (RIBBON, 6 or SPATTER)	-37.5* (NO HVHZ)
SC-144.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.25-inch ISOGARD GL	3.1.1	1 per 4.0 ft ²	Min. 1.5-inch ISOGARD GL	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	XR-TJ or XR-TJY (RIBBON, 6 or SPATTER)	-45.0*
SC-145.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch ISOGARD GL followed by optional min. 0.5-inch DensDeck Prime or min. 19/32-inch plywood	I.S.O. Spray R	XR-TJ or XR-TJY (RIBBON, 6 or SPATTER)	-45.0*
SC-146.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch ISOGARD GL followed by optional min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	XR-TJ or XR-TJY (RIBBON, 12 or SPATTER)	-45.0*



NEMO EVALUATIONS REPORT

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Amrize Building Envelope LLC (Elevate)

FL10264-R21



ISO/IEC 17065 PCA-145

**TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
 SYSTEM TYPE B-1: MECHANICALLY FASTENED 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 (4.2.3)	Attach (3.1.6)	Type	Attach (3.1.3)		
SC-147.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch ISOGARD GL followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-45.0*
SC-148.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Min. 1-inch ISOGARD GL followed by min. 0.25-inch DensDeck Prime	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	XR-TJ or XR-TJY (RIBBON, 6 or SPATTER)	-45.0*
SC-149.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Min. 1-inch ISOGARD GL followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	XR-TJ or XR-TJY (RIBBON, 12 or SPATTER)	-45.0*
SC-150.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Optional min. 1-inch ISOGARD GL followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	XR-TJ or XR-TJY (RIBBON, 6 or SPATTER)	-45.0*
SC-151.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet, 6-inch o.c.	XR-TJ or XR-TJY (RIBBON, 6 or SPATTER)	-60.0
SC-152.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.6 ft ²	Min. 1-inch ISOGARD GL	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet, 6-inch o.c.	XR-TJ or XR-TJY (RIBBON, 6 or SPATTER)	-82.5
SC-153.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet, 6-inch o.c.	XR-TJ or XR-TJY (RIBBON, 6 or SPATTER)	-82.5
SC-154.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet, 4-inch o.c.	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-127.5
SC-155.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.7 ft ²	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON or SPATTER	XR-TJ or XR-TJY (RIBBON, 6 or SPATTER)	-30.0* (NO HVHZ)
SC-156.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 4.0 ft ²	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON or SPATTER	XR-TJ or XR-TJY (RIBBON, 6 or SPATTER)	-37.5* (NO HVHZ)
SC-157.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.25-inch ISOGARD GL	3.1.1	1 per 4.0 ft ²	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON or SPATTER	XR-TJ or XR-TJY (RIBBON, 6 or SPATTER)	-45.0*
SC-158.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch ISOGARD GL followed by optional min. 0.5-inch DensDeck Prime	Twin Jet Y, RIBBON or SPATTER	XR-TJ or XR-TJY (RIBBON, 6 or SPATTER)	-45.0*



**TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
 SYSTEM TYPE B-1: MECHANICALLY FASTENED 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 (4.2.3)	Attach (3.1.6)	Type	Attach (3.1.3)		
SC-159.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch ISOGARD GL followed by optional min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON or SPATTER	XR-TJ or XR-TJY (RIBBON, 12 or SPATTER)	-45.0*
SC-160.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch ISOGARD GL followed by min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON or SPATTER	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-45.0*
SC-161.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Min. 1-inch ISOGARD GL followed by min. 0.25-inch DensDeck Prime	Twin Jet Y, RIBBON or SPATTER	XR-TJ or XR-TJY (RIBBON, 6 or SPATTER)	-45.0*
SC-162.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Min. 1-inch ISOGARD GL followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON or SPATTER	XR-TJ or XR-TJY (RIBBON, 12 or SPATTER)	-45.0*
SC-163.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Optional min. 1-inch ISOGARD GL followed by min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON or SPATTER	XR-TJ or XR-TJY (RIBBON, 6 or SPATTER)	-45.0*
SC-164.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON, 4-inch o.c.	XR-TJ or XR-TJY (RIBBON, 6 or SPATTER)	-60.0
SC-165.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.6 ft ²	Min. 1-inch ISOGARD GL or min. 0.5-inch ELEVATE ISOGARD HD	Twin Jet Y, RIBBON, 4-inch o.c.	XR-TJ or XR-TJY (RIBBON, 6 or SPATTER)	-82.5
SC-166.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON, 4-inch o.c.	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-112.5
ELEVATE ULTRAPLY TPO XR / ELEVATE WATER BASED BONDING ADHESIVE-P SYSTEMS:								
SC-167.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch ISOGARD GL followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / WBBA-P	-37.5* (NO HVHZ)
SC-168.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch ISOGARD GL followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON or SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / WBBA-P	-37.5* (NO HVHZ)
ELEVATE ULTRAPLY TPO XR / XR BONDING ADHESIVE SYSTEMS:								
SC-169.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch ISOGARD GL followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-45.0*



TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY FASTENED 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 (4.2.3)	Attach (3.1.6)	Type	Attach (3.1.3)		
SC-170.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch ISOGARD GL followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON or SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-45.0*
ELEVATE ULTRAPLY TPO SA SYSTEMS:								
SC-171.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 4.0 ft ²	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	SA	-37.5* (NO HVHZ)
SC-172.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Optional min. 1.5-inch ISOGARD GL followed by min. 0.5-inch Tapered ISOGARD GL	I.S.O. Spray R	SA	-45.0*
SC-173.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD CG	3.1.1	1 per 2.7 ft ²	Optional min. 1.5-inch ISOGARD CG followed by min. 0.5-inch Tapered ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	SA	-45.0*
SC-174.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD CG	3.1.1	1 per 4.0 ft ²	Optional min. 1.5-inch ISOGARD CG followed by min. 0.5-inch Tapered ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	SA	-45.0*
SC-175.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 4.0 ft ²	Min. 1.5-inch Elevate ISOGARD HD Composite	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	SA	-45.0*
SC-176.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.7 ft ²	Min. 1.5-inch Elevate ISOGARD HD Composite	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	SA	-45.0*
SC-177.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	SA	-45.0*
SC-178.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick or Twin Jet	SA	-45.0*
SC-179.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	SA	-45.0
SC-180.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack, I.S.O. Stick, Twin Jet or Polyset CRA	SA	-45.0*
SC-181.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Optional min. 1.5-inch ISOGARD GL or min. 0.5-inch Tapered ISOGARD GL followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R	SA	-45.0*



TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY FASTENED 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 (4.2.3)	Attach (3.1.6)	Type	Attach (3.1.3)		
SC-182.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft ²	Optional min. 1.5-inch ISOGARD CG followed by min. 0.5-inch Tapered ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	SA	-45.0*
SC-183.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch ISOGARD GL followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	SA	-45.0*
SC-184.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet, 6-inch o.c.	SA	-60.0
SC-185.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.8 ft ²	Min. 1.5-inch Elevate ISOGARD HD Composite	I.S.O. Stick or Twin Jet, 12-inch o.c.	SA	-60.0
SC-186.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.8 ft ²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet, 6-inch o.c.	SA	-67.5
SC-187.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.6 ft ²	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack	SA	-75.0
SC-188.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet, 6-inch o.c.	SA	-82.5
SC-189.	Min. 22 ga., type B, Grade 50 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack, Twin Jet, or Twin Jet Y, 4-inch o.c.	SA	-82.5
SC-190.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet Y, 4-inch o.c.	SA	-90.0
SC-191.	Min. 22 ga., type B, Grade 50 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch DensDeck Prime	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack, Twin Jet, or Twin Jet Y, 4-inch o.c.	SA	-112.5
SC-192.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 4.0 ft ²	Min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON or SPATTER	SA	-37.5* (NO HVHZ)
SC-193.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Optional min. 1.5-inch ISOGARD GL followed by min. 0.5-inch Tapered ISOGARD GL	Twin Jet Y, RIBBON or SPATTER	SA	-45.0*



NEMO EVALUATIONS REPORT

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Amrize Building Envelope LLC (Elevate)

FL10264-R21



ISO/IEC 17065 PCA-145

**TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
 SYSTEM TYPE B-1: MECHANICALLY FASTENED 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 (4.2.3)	Attach (3.1.6)	Type	Attach (3.1.3)		
SC-194.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD CG	3.1.1	1 per 2.7 ft2	Optional min. 1.5-inch ISOGARD CG followed by min. 0.5-inch Tapered ISOGARD CG	Twin Jet Y, RIBBON or SPATTER	SA	-45.0*
SC-195.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD CG	3.1.1	1 per 4.0 ft2	Optional min. 1.5-inch ISOGARD CG followed by min. 0.5-inch Tapered ISOGARD CG	Twin Jet Y, RIBBON or SPATTER	SA	-45.0*
SC-196.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 4.0 ft2	Min. 1.5-inch Elevate ISOGARD HD Composite	Twin Jet Y, RIBBON or SPATTER	SA	-45.0*
SC-197.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.7 ft2	Min. 1.5-inch Elevate ISOGARD HD Composite	Twin Jet Y, RIBBON or SPATTER	SA	-45.0*
SC-198.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft2	Min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON or SPATTER	SA	-45.0*
SC-199.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.0 ft2	Min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON or SPATTER	SA	-45.0
SC-200.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft2	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON or SPATTER	SA	-45.0*
SC-201.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft2	Optional min. 1.5-inch ISOGARD GL or min. 0.5-inch Tapered ISOGARD GL followed by min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON or SPATTER	SA	-45.0*
SC-202.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft2	Optional min. 1.5-inch ISOGARD CG followed by min. 0.5-inch Tapered ISOGARD CG	Twin Jet Y, RIBBON or SPATTER	SA	-45.0*
SC-203.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft2	Min. 1.5-inch ISOGARD GL followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON or SPATTER	SA	-45.0*
SC-204.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 1.6 ft2	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON, 4-inch o.c.	SA	-60.0
SC-205.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.8 ft2	Min. 1.5-inch Elevate ISOGARD HD Composite	Twin Jet Y, RIBBON, 4-inch o.c.	SA	-60.0



**TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
 SYSTEM TYPE B-1: MECHANICALLY FASTENED 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 (4.2.3)	Attach (3.1.6)	Type	Attach (3.1.3)		
SC-206.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.8 ft ²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON, 4-inch o.c.	SA	-67.5
SC-207.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.6 ft ²	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON, 4-inch o.c.	SA	-75.0
SC-208.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON, 4-inch o.c.	SA	-82.5

**TABLE 2E: STEEL OR CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
 SYSTEM TYPE B-2: MECHANICALLY FASTENED BASE INSULATION, BONDED VAPOR BARRIER, BONDED TOP INSULATION, BONDED ROOF COVER**

System No.	Deck (4.1.2)	Base Insulation Layer			Vapor Barrier	Insulation		Roof Cover (3.1.4)	MDP (psf)
		Type	Fasten (4.2.3), (3.1.1)	Attach (3.1.6)		Type	Attach (3.1.3)		
ELEVATE ULTRAPLY TPO SYSTEMS:									
SC-209.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.75-inch FM Approved perlite	3.1.1	1 per 2.0 ft ²	Two plies Elevate Type IV or Type VI in hot asphalt	Min. 1.5-inch ISOGARD GL followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	Hot asphalt or I.S.O. Stick	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-45.0*
SC-210.	Min. 22 ga., type B, Grade 33	Min. 0.5-inch DensDeck Prime	3.1.1	1 per 2.7 ft ²	V-Force WB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISOGARD GL, optional min. 0.5-inch Tapered ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-37.5* (NO HVHZ)
SC-211.	Min. 22 ga., type B, Grade 33	Min. 0.5-inch DensDeck Prime	3.1.1	1 per 2.7 ft ²	V-Force WB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISOGARD GL, optional min. 0.5-inch Tapered ISOGARD GL	I.S.O. Stick or Twin Jet	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-45.0*
SC-212.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft ²	V-Force SB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISOGARD GL, optional min. 0.5-inch Tapered ISOGARD GL	I.S.O. Stick or Twin Jet	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-45.0*



TABLE 2E: STEEL OR CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-2: MECHANICALLY FASTENED BASE INSULATION, BONDED VAPOR BARRIER, BONDED TOP INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Base Insulation Layer			Vapor Barrier	Insulation		Roof Cover (3.1.4)	MDP (psf)
		Type	Fasten (4.2.3), (3.1.1)	Attach (3.1.6)		Type	Attach (3.1.3)		
SC-213.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft ²	V-Force SB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISOGARD GL, optional min. 0.5-inch Tapered ISOGARD GL; Min. 0.5-inch Elevate ISOGARD HD or Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board; or min. 19/32-inch plywood or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick or Twin Jet	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-45.0*
SC-214.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft ²	V-Force SB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISOGARD GL, optional min. 0.5-inch Tapered ISOGARD GL; Min. 0.25-inch DensDeck, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA, UP-BA or WBBA-P	-45.0*
SC-215.	Min. 22 ga., type B, Grade 33	Min. 0.5-inch DensDeck Prime	3.1.1	1 per 2.7 ft ²	V-Force WB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISOGARD GL, optional min. 0.5-inch Tapered ISOGARD GL	Twin Jet Y, RIBBON or SPATTER	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-37.5* (NO HVHZ)
SC-216.	Min. 22 ga., type B, Grade 33	Min. 0.5-inch DensDeck Prime	3.1.1	1 per 2.7 ft ²	V-Force WB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISOGARD GL, optional min. 0.5-inch Tapered ISOGARD GL	Twin Jet Y, RIBBON or SPATTER	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-45.0*
SC-217.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft ²	V-Force SB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISOGARD GL, optional min. 0.5-inch Tapered ISOGARD GL	Twin Jet Y, RIBBON or SPATTER	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-45.0*
SC-218.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft ²	V-Force SB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISOGARD GL, optional min. 0.5-inch Tapered ISOGARD GL; Min. 0.5-inch Elevate ISOGARD HD 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	Twin Jet Y, RIBBON or SPATTER	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-45.0*
SC-219.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft ²	V-Force SB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISOGARD GL, optional min. 0.5-inch Tapered ISOGARD GL; Min. 0.25-inch DensDeck, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON or SPATTER	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA, UP-BA or WBBA-P	-45.0*

ELEVATE ULTRAPLY TPO XR / XR BONDING ADHESIVE SYSTEMS:



TABLE 2E: STEEL OR CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-2: MECHANICALLY FASTENED BASE INSULATION, BONDED VAPOR BARRIER, BONDED TOP INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Base Insulation Layer			Vapor Barrier	Insulation		Roof Cover (3.1.4)	MDP (psf)
		Type	Fasten (4.2.3), (3.1.1)	Attach (3.1.6)		Type	Attach (3.1.3)		
SC-220.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft ²	V-Force SB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISOGARD GL, optional min. 0.5-inch Tapered ISOGARD GL; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-45.0*
SC-221.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft ²	V-Force SB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISOGARD GL, optional min. 0.5-inch Tapered ISOGARD GL; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON or SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-45.0*
ELEVATE ULTRAPLY TPO SA SYSTEMS:									
SC-222.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.75-inch FM Approved perlite	3.1.1	1 per 2.0 ft ²	Two plies Elevate Type IV or Type VI in hot asphalt	Min. 1.5-inch ISOGARD GL followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot asphalt or I.S.O. Stick or Twin Jet	SA	-45.0*
SC-223.	Min. 22 ga., type B, Grade 33	Min. 0.5-inch DensDeck Prime	3.1.1	1 per 2.7 ft ²	V-Force WB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISOGARD GL, optional min. 0.5-inch Tapered ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack	SA	-37.5* (NO HVHZ)
SC-224.	Min. 22 ga., type B, Grade 33	Min. 0.5-inch DensDeck Prime	3.1.1	1 per 2.7 ft ²	V-Force WB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISOGARD GL, optional min. 0.5-inch Tapered ISOGARD GL	I.S.O. Stick or Twin Jet	SA	-45.0*
SC-225.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft ²	V-Force SB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISOGARD GL, optional min. 0.5-inch Tapered ISOGARD GL; optional min. 0.5-inch Elevate ISOGARD HD or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board; or min. 19/32-inch plywood	I.S.O. Stick or Twin Jet	SA	-45.0*
SC-226.	Min. 22 ga., type B, Grade 33	Min. 0.5-inch DensDeck Prime	3.1.1	1 per 2.7 ft ²	V-Force WB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISOGARD GL, optional min. 0.5-inch Tapered ISOGARD GL	Twin Jet Y, RIBBON or SPATTER	SA	-37.5* (NO HVHZ)
SC-227.	Min. 22 ga., type B, Grade 33	Min. 0.5-inch DensDeck Prime	3.1.1	1 per 2.7 ft ²	V-Force WB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISOGARD GL, optional min. 0.5-inch Tapered ISOGARD GL	Twin Jet Y, RIBBON or SPATTER	SA	-45.0*



TABLE 2E: STEEL OR CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER									
SYSTEM TYPE B-2: MECHANICALLY FASTENED BASE INSULATION, BONDED VAPOR BARRIER, BONDED TOP INSULATION, BONDED ROOF COVER									
System No.	Deck (4.1.2)	Base Insulation Layer			Vapor Barrier	Insulation		Roof Cover (3.1.4)	MDP (psf)
		Type	Fasten (4.2.3), (3.1.1)	Attach (3.1.6)		Type	Attach (3.1.3)		
SC-228.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft ²	V-Force SB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISOGARD GL, optional min. 0.5-inch Tapered ISOGARD GL; optional min. 0.5-inch Elevate ISOGARD HD or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board; or min. 19/32-inch plywood	Twin Jet Y, RIBBON or SPATTER	SA	-45.0*

TABLE 2F: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)											
SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, BONDED INSULATION											
SUB-ASSEMBLY No.	DECK (4.1.2)	THERMAL BARRIER			VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (4.2.3b)	MDP (PSF)
		TYPE	FASTEN (4.2.2)	ATTACH (3.1.2b)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)		
ELEVATE ULTRAPLY TPO SYSTEMS:											
SC-229.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin or I.S.O. Spray R, 6-inch o.c.	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin or I.S.O. Spray R, 6-inch o.c.	BB-JBSA, BB-LVOC-1168, BB-UPBA	-37.5 (NO HVHZ)
SC-230.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin or I.S.O. Spray R, 6-inch o.c.	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin or I.S.O. Spray R, 6-inch o.c.	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA, or BB-WBBA-P	-37.5 (NO HVHZ)
SC-231.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin or I.S.O. Spray R, 6-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin or I.S.O. Spray R, 6-inch o.c.	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-37.5 (NO HVHZ)
SC-232.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	Twin Jet Y (SPATTER)	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y (SPATTER)	BB-JBSA, BB-LVOC-1168, BB-UPBA	-37.5 (NO HVHZ)
SC-233.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin or I.S.O. Spray R, 6-inch o.c.	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin or I.S.O. Spray R, 6-inch o.c.	BB-JBSA, BB-LVOC-1168, BB-UPBA	-135.0
SC-234.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin or I.S.O. Spray R, 6-inch o.c.	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin or I.S.O. Spray R, 6-inch o.c.	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA, or BB-WBBA-P	-135.0



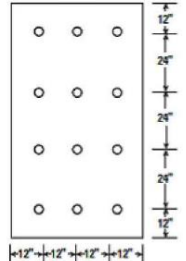
TABLE 2F: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)

SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, BONDED INSULATION

SUB-ASSEMBLY No.	DECK (4.1.2)	THERMAL BARRIER			VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(s)		ROOF COVER (4.2.3b)	MDP (P5F)
		TYPE	FASTEN (4.2.2)	ATTACH (3.1.2b)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)		
SC-235.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin or I.S.O. Spray R, 6-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin or I.S.O. Spray R, 6-inch o.c.	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-135.0
ELEVATE ULTRAPLY TPO XR SYSTEMS:											
SC-236.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin or I.S.O. Spray R, 6-inch o.c.	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin or I.S.O. Spray R, 6-inch o.c.	XR-HA	-37.5 (NO HVHZ)
SC-237.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin or I.S.O. Spray R, 6-inch o.c.	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or Elevate ISOGARD HD, min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin or I.S.O. Spray R, 6-inch o.c.	XR-JBSA, XR-ISOR (RIBBON, 4), XR-XRSM (RIBBON, 4), XR-TJ or XR-TJY	-37.5 (NO HVHZ)
SC-238.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin or I.S.O. Spray R, 6-inch o.c.	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or Elevate ISOGARD HD	I.S.O. Twin or I.S.O. Spray R, 6-inch o.c.	XR-BA	-37.5 (NO HVHZ)
SC-239.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	Twin Jet Y (SPATTER)	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y (SPATTER)	XR HA, XR-JBSA, XR-ISOR (RIBBON, 4), XR-XRSM (RIBBON, 4), XR-TJ, XR-TJY, XR-BA	-37.5 (NO HVHZ)
SC-240.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin or I.S.O. Spray R, 6-inch o.c.	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin or I.S.O. Spray R, 6-inch o.c.	XR-HA	-135.0
SC-241.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin or I.S.O. Spray R, 6-inch o.c.	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or Elevate ISOGARD HD, min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin or I.S.O. Spray R, 6-inch o.c.	XR-JBSA, XR-ISOR (RIBBON, 4), XR-XRSM (RIBBON, 4), XR-TJ, or XR-TJY	-135.0
SC-242.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin or I.S.O. Spray R, 6-inch o.c.	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or Elevate ISOGARD HD	I.S.O. Twin or I.S.O. Spray R, 6-inch o.c.	XR-BA	-135.0
ELEVATE ULTRAPLY TPO SA SYSTEMS:											
SC-243.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin or I.S.O. Spray R, 6-inch o.c.	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or Elevate ISOGARD HD	I.S.O. Twin or I.S.O. Spray R, 6-inch o.c.	SA	-37.5 (NO HVHZ)

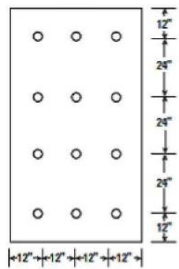
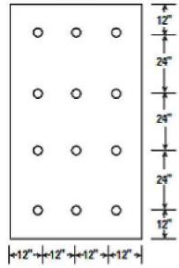


TABLE 2F: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)											
SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, BONDED INSULATION											
SUB-ASSEMBLY No.	DECK (4.1.2)	THERMAL BARRIER			VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (4.2.3b)	MDP (PSF)
		TYPE	FASTEN (4.2.2)	ATTACH (3.1.2b)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)		
SC-244.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	Twin Jet Y (SPATTER)	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y (SPATTER)	SA	-37.5 (NO HVHZ)
SC-245.	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	I.S.O. Twin or I.S.O. Spray R, 6-inch o.c.	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or Elevate ISOGARD HD	I.S.O. Twin or I.S.O. Spray R, 6-inch o.c.	SA	-135.0

TABLE 2G: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER							
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (4.1.2)	Base Insulation Layer (4.2.3)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fasten (4.2.3), (3.1.1)	Attach (3.1.6)		
ELEVATE ULTRAPLY TPO SYSTEMS:							
SC-246.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD CG	3.1.1	1 per 3.2 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-30.0* (NO HVHZ)
SC-247.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD GL	3.1.1	1 per 2.7 ft ² 	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-37.5* (NO HVHZ)
SC-248.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD CG	3.1.1	1 per 5.3 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-37.5* (NO HVHZ)
SC-249.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL	3.1.1	1 per 4.0 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-45.0*



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

System No.	Deck (4.1.2)	Base Insulation Layer (4.2.3)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fasten (4.2.3), (3.1.1)	Attach (3.1.6)		
SC-250.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.25-inch ISOGARD GL	3.1.1	1 per 2.7 ft ² 	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-45.0*
SC-251.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-45.0*
SC-252.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL	3.1.1	1 per 2.7 ft ² 	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-45.0
SC-253.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD CG	3.1.1	1 per 2.7 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-45.0*
SC-254.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD CG	3.1.1	1 per 2.0 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-45.0*
SC-255.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Elevate ISOGARD HD Composite	3.1.1	1 per 4.0 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-45.0*
SC-256.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Elevate ISOGARD HD Composite	3.1.1	1 per 1.3 ft ²	Elevate UltraPly TPO or UltraPly TPO Platinum / WBBA-P	-45.0
SC-257.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch Elevate ISOGARD HD	3.1.1	1 per 2.7 ft ²	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA-1168 or UP-BA	-45.0*
SC-258.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch Elevate ISOGARD HD	3.1.1	1 per 1.3 ft ²	Elevate UltraPly TPO or UltraPly TPO Platinum / WBBA-P	-45.0



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

System No.	Deck (4.1.2)	Base Insulation Layer (4.2.3)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fasten (4.2.3), (3.1.1)	Attach (3.1.6)		
SC-259.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 0.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	3.1.1	1 per 2.7 ft ²	BB-JBSA, BB-LVOC or BB-UPBA	-45.0*
SC-260.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 0.5-inch thick, one or more layers, any combination, loose laid	Min. 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 2.7 ft ²	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA, LVOC-BA-1168 or UP-BA	-45.0*
SC-261.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	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	3.1.1	1 per 2.0 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-45.0*
SC-262.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 0.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch 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	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-45.0*
SC-263.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.8 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-45.0
SC-264.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi 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	3.1.1	1 per 1.8 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-45.0
SC-265.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 19/32-inch plywood	Elevate HD HailGard Fastener	1 per 2.7 ft ²	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA-1168 or UP-BA	-45.0
SC-266.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD CG	3.1.1	1 per 1.6 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-52.5
SC-267.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 19/32-inch plywood	Elevate HD HailGard Fastener	1 per 1.6 ft ²	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA-1168 or UP-BA	-52.5
SC-268.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 1.8 ft ²	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA-1168 or UP-BA	-60.0
SC-269.	Min. 22 ga., type B, 56 ksi steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.13 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-60.0
SC-270.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.8 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-60.0
SC-271.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch Elevate ISOGARD HD	3.1.1	1 per 1.3 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-60.0



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

System No.	Deck (4.1.2)	Base Insulation Layer (4.2.3)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fasten (4.2.3), (3.1.1)	Attach (3.1.6)		
SC-272.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Elevate ISOGARD HD Composite	3.1.1	1 per 1.3 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-60.0
SC-273.	Min. 22 ga., type B, 56 ksi steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.6 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-67.5
SC-274.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.3 ft ²	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA-1168 or UP-BA	-75.0
SC-275.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 19/32-inch plywood	3.1.1 (Heavy Duty only for steel)	1 per 2.0 ft ²	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA-1168 or UP-BA	-75.0
SC-276.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Elevate ISOGARD HG	3.1.1 (Heavy Duty only for steel)	1 per 2.0 ft ²	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA-1168 or UP-BA	-75.0
SC-277.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.6 ft ²	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA-1168 or UP-BA	-75.0
SC-278.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD CG	3.1.1	1 per 1.6 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-75.0
SC-279.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD CG	3.1.1	1 per 1.0 ft ²	Elevate UltraPly TPO / WBBA-P	-75.0
SC-280.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD CG	3.1.1	1 per 1.6 ft ²	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-82.5
SC-281.	Min. 22 ga., type B, 60 ksi steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.8 ft ²	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, UP-BA	-82.5
SC-282.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 19/32-inch plywood	3.1.1	1 per 1.0 ft ²	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond	-82.5
SC-283.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 1.3 ft ²	Elevate UltraPly TPO or UltraPly TPO Platinum / UP-BA, LVOC-BA-1168	-90.0
SC-284.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD CG	3.1.1	1 per 1.3 ft ²	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA, LVOC-BA-1168 OR UP-BA	-105.0
SC-285.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.0 ft ²	Elevate UltraPly TPO or UltraPly TPO Platinum / UP-BA, LVOC-BA-1168	-105.0
SC-286.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.0 ft ²	Elevate UltraPly TPO or UltraPly TPO Platinum / UP-BA	-112.5



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

System No.	Deck (4.1.2)	Base Insulation Layer (4.2.3)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fasten (4.2.3) , (3.1.1)	Attach (3.1.6)		
SC-287.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD CG	3.1.1	1 per 1.0 ft ²	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA, LVOC-BA-1168 OR UP-BA	-112.5
SC-288.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Elevate ISOGARD HD Composite	3.1.1	1 per 1.3 ft ²	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA, LVOC-BA-1168 OR UP-BA	-112.5
SC-289.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.0 ft ²	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA, LVOC-BA-1168 OR UP-BA	-112.5
SC-290.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch Elevate ISOGARD HD Composite	3.1.1	1 per 1.3 ft ²	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA, LVOC-BA-1168 OR UP-BA	-120.0
SC-291.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch Elevate ISOGARD GL	3.1.1	1 per 1.0 ft ²	Elevate UltraPly TPO or UltraPly TPO Platinum / UP-BA	-135.0
SC-292.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch Elevate ISOGARD CG	3.1.1	1 per 1.0 ft ²	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA, LVOC-BA-1168 OR UP-BA	-135.0
SC-293.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL <i>(no Elevate ISOGARD GL)</i>	3.1.1	1 per 1.0 ft ²	Elevate UltraPly TPO or UltraPly TPO Platinum / UP-BA	-150.0
SC-294.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch RESISTA <i>(no Elevate ISOGARD CG)</i>	3.1.1	1 per 1.0 ft ²	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA, LVOC-BA-1168 OR UP-BA	-150.0
SC-295.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 19/32-inch plywood	3.1.1 (Heavy Duty only for steel)	1 per 1.0 ft ²	Elevate UltraPly TPO or UltraPly TPO Platinum / UP-BA, LVOC-BA-1168	-150.0
SC-296.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Elevate ISOGARD HG	3.1.1 (Heavy Duty only for steel)	1 per 1.0 ft ²	Elevate UltraPly TPO or UltraPly TPO Platinum / UP-BA, LVOC-BA-1168	-150.0
ELEVATE ULTRAPLY TPO XR / JET BOND SPRAY ADHESIVE SYSTEMS:							
SC-297.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD GL	3.1.1	1 per 2.7 ft ²	XR-JBSA	-37.5* (NO HVHZ)
SC-298.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	XR-JBSA	-45.0*
SC-299.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.25-inch ISOGARD GL	3.1.1	1 per 4.0 ft ²	XR-JBSA	-45.0*



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

System No.	Deck (4.1.2)	Base Insulation Layer (4.2.3)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fasten (4.2.3), (3.1.1)	Attach (3.1.6)		
SC-300.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 19/32-inch plywood or min. 0.5-inch Elevate ISOGARD HD or Structodek High Density Fiberboard Roof Insulation	3.1.1	1 per 2.0 ft ²	XR-JBSA	-45.0*
SC-301.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.6 ft ²	XR-JBSA	-67.5
SC-302.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 19/32-inch plywood	3.1.1	1 per 1.0 ft ²	XR-JBSA	-82.5
ELEVATE ULTRAPLY TPO XR / I.S.O. SPRAY R OR XR STICK MEMBRANE ADHESIVE SYSTEMS:							
SC-303.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD GL	3.1.1	1 per 2.7 ft ²	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-37.5* (NO HVHZ)
SC-304.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0*
SC-305.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.25-inch ISOGARD GL	3.1.1	1 per 4.0 ft ²	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0*
SC-306.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 19/32-inch plywood or min. 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 2.0 ft ²	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0*
SC-307.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid (optional for recover)	Min. 0.5-inch Elevate ISOGARD HD	3.1.1	1 per 2.1 ft ²	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0*
SC-308.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch Elevate ISOGARD HD	3.1.1	1 per 2.0 ft ²	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-45.0*

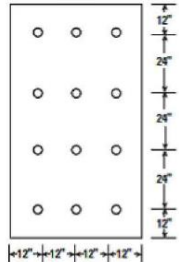


**TABLE 2G: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (4.1.2)	Base Insulation Layer (4.2.3)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fasten (4.2.3) , (3.1.1)	Attach (3.1.6)		
SC-309.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.0 ft ²	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-82.5
SC-310.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.6 ft ²	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-82.5
SC-311.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch Elevate ISOGARD GL	3.1.1	1 per 1.0 ft ²	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-135.0
SC-312.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL (<i>no Elevate ISOGARD GL</i>)	3.1.1	1 per 1.0 ft ²	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-142.5
ELEVATE ULTRAPLY TPO XR / TWIN JET SYSTEMS:							
SC-313.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD GL	3.1.1	1 per 2.7 ft ²	XR-TJ or XR-TJY (RIBBON, 6 or SPATTER)	-37.5* (NO HVHZ)
SC-314.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	XR-TJ or XR-TJY (RIBBON, 6 or SPATTER)	-45.0*
SC-315.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.25-inch ISOGARD GL	3.1.1	1 per 4.0 ft ²	XR-TJ or XR-TJY (RIBBON, 6 or SPATTER)	-45.0*
SC-316.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or min. 19/32-inch plywood	3.1.1	1 per 2.0 ft ²	XR-TJ or XR-TJY (RIBBON, 6 or SPATTER)	-45.0*
SC-317.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	XR-TJ or XR-TJY (RIBBON, 12 or SPATTER)	-45.0*
SC-318.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid (optional for recover)	Min. 0.5-inch Elevate ISOGARD HD	3.1.1	1 per 2.1 ft ²	XR-TJ or XR-TJY (RIBBON, 6 or SPATTER)	-45.0*
SC-319.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch Elevate ISOGARD HD	3.1.1	1 per 2.0 ft ²	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-45.0*



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

System No.	Deck (4.1.2)	Base Insulation Layer (4.2.3)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fasten (4.2.3), (3.1.1)	Attach (3.1.6)		
SC-320.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL (no Elevate ISOGARD GL)	3.1.1	1 per 1.0 ft ²	XR-TJY (RIBBON, 4 or SPATTER)	-127.5
SC-321.	Min. 22 ga., steel deck	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.0 ft ²	XR-TJY (RIBBON, 4 or SPATTER)	-127.5
SC-322.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 1.0 ft ²	XR-TJ or XR-TJY (RIBBON, 6 or SPATTER)	-82.5
SC-323.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD CG	3.1.1	1 per 1.0 ft ²	XR-TJ or XR-TJY (RIBBON, 12 or SPATTER)	-82.5
SC-324.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.6 ft ²	XR-TJ or XR-TJY (RIBBON, 6 or SPATTER)	-82.5
SC-325.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISO 95+ GL (no Elevate ISOGARD GL)	3.1.1	1 per 1.0 ft ²	XR-TJ (RIBBON, 4 or SPATTER)	-142.5
SC-326.	Min. 22 ga., steel deck	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.0 ft ²	XR-TJY (RIBBON, 4 or SPATTER)	-135.0
ELEVATE ULTRAPLY TPO XR / XR BONDING ADHESIVE SYSTEMS:							
SC-327.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.7 ft ²	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-45.0*
ELEVATE ULTRAPLY TPO SA SYSTEMS:							
SC-328.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD CG	3.1.1	1 per 3.2 ft ²	SA	-30.0* (NO HVHZ)
SC-329.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD GL	3.1.1	1 per 2.7 ft ² 	SA	-37.5* (NO HVHZ)



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

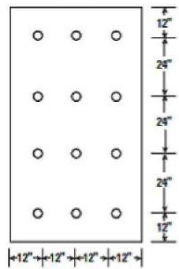
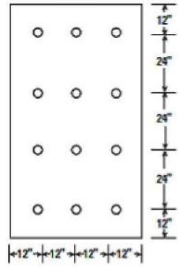
System No.	Deck (4.1.2)	Base Insulation Layer (4.2.3)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fasten (4.2.3), (3.1.1)	Attach (3.1.6)		
SC-330.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD CG	3.1.1	1 per 5.3 ft ²	SA	-37.5* (NO HVHZ)
SC-331.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL	3.1.1	1 per 4.0 ft ²	SA	-45.0*
SC-332.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.25-inch ISOGARD GL	3.1.1	1 per 2.7 ft ² 	SA	-45.0*
SC-333.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 2.0 ft ²	SA	-45.0*
SC-334.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL	3.1.1	1 per 2.7 ft ² 	SA	-45.0
SC-335.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD CG	3.1.1	1 per 2.7 ft ²	SA	-45.0*
SC-336.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD CG	3.1.1	1 per 2.0 ft ²	SA	-45.0*
SC-337.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Elevate ISOGARD HD Composite	3.1.1	1 per 4.0 ft ²	SA	-45.0*
SC-338.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Elevate ISOGARD HD Composite	3.1.1	1 per 1.3 ft ²	SA	-45.0



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

System No.	Deck (4.1.2)	Base Insulation Layer (4.2.3)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fasten (4.2.3) , (3.1.1)	Attach (3.1.6)		
SC-339.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch Elevate ISOGARD HD	3.1.1	1 per 2.7 ft ²	SA	-45.0*
SC-340.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch Elevate ISOGARD HD	3.1.1	1 per 1.3 ft ²	SA	-45.0
SC-341.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 0.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	3.1.1	1 per 2.7 ft ²	SA	-45.0*
SC-342.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	SA	-45.0*
SC-343.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 0.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft ²	SA	-45.0*
SC-344.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.8 ft ²	SA	-45.0
SC-345.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 19/32-inch plywood	Elevate HD HailGard Fastener (steel only)	1 per 2.7 ft ²	SA	-45.0
SC-346.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD CG	3.1.1	1 per 1.6 ft ²	SA	-52.5
SC-347.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 19/32-inch plywood	Elevate HD HailGard Fastener (steel only)	1 per 1.6 ft ²	SA	-52.5
SC-348.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 1.8 ft ²	SA	-60.0
SC-349.	Min. 22 ga., type B, 56 ksi steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.13 ft ²	SA	-60.0
SC-350.	Min. 22 ga., type B, 50 ksi steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.8 ft ²	SA	-60.0
SC-351.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch Elevate ISOGARD HD	3.1.1	1 per 1.3 ft ²	SA	-60.0
SC-352.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Elevate ISOGARD HD Composite	3.1.1	1 per 1.3 ft ²	SA	-60.0
SC-353.	Min. 22 ga., type B, 56 ksi steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.6 ft ²	SA	-67.5



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

System No.	Deck (4.1.2)	Base Insulation Layer (4.2.3)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fasten (4.2.3), (3.1.1)	Attach (3.1.6)		
SC-354.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.3 ft ²	SA	-75.0
SC-355.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 19/32-inch plywood	3.1.1 (Heavy Duty only for steel)	1 per 2.0 ft ²	SA	-75.0
SC-356.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Elevate ISOGARD HG	3.1.1 (Heavy Duty only for steel)	1 per 2.0 ft ²	SA	-75.0
SC-357.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.6 ft ²	SA	-75.0
SC-358.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD CG	3.1.1	1 per 1.6 ft ²	SA	-75.0
SC-359.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD CG	3.1.1	1 per 1.0 ft ²	SA	-75.0
SC-360.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD CG	3.1.1	1 per 1.6 ft ²	SA	-82.5
SC-361.	Min. 22 ga., type B, 60 ksi steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.8 ft ²	SA	-82.5
SC-362.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 1.3 ft ²	SA	-90.0
SC-363.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL	3.1.1	1 per 1.0 ft ²	SA	-90.0

TABLE 2H: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER

System No.	Deck (4.1.2)	Vapor & Air Barrier	Insulation (4.2.3)	Attach (4.2.3)		Roof Cover (3.1.4)	MDP (psf)
				Fasten	Density / Pattern		
SC-364.	Min. 22 ga., type B, Grade 33 steel or Min. 2,500 psi structural concrete	None	One or more layers, any combination, prelim. attached (3.1.2)	Elevate Heavy Duty Fastener or Elevate Concrete Drive (concrete only) and Elevate UltraPly TPO InvisiWeld Plate	Max. 18-inch o.c. in rows max. 60-inch o.c.	Elevate UltraPly TPO or UltraPly TPO Platinum induction welded to Elevate UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-30.0 (NO HVHZ)
SC-365.	Min. 22 ga., type B, Grade 33 steel or Min. 2,500 psi structural concrete	None	One or more layers, any combination, prelim. attached (3.1.2)	Elevate Heavy Duty Fastener or Elevate Concrete Drive (concrete only) and Elevate UltraPly TPO InvisiWeld Plate	Max. 12-inch o.c. in rows max. 60-inch o.c.	Elevate UltraPly TPO or UltraPly TPO Platinum induction welded to Elevate UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-45.0



TABLE 2H: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER

System No.	Deck (4.1.2)	Vapor & Air Barrier	Insulation (4.2.3)	Attach (4.2.3)		Roof Cover (3.1.4)	MDP (psf)
				Fasten	Density / Pattern		
SC-366.	Min. 22 ga., type B, Grade 33 steel or Min. 2,500 psi structural concrete	None	One or more layers, any combination, prelim. attached (3.1.2)	Elevate Heavy Duty Fastener or Elevate Concrete Drive (concrete only) and Elevate UltraPly TPO InvisiWeld Plate	Max. 6-inch o.c. in rows max. 60-inch o.c.	Elevate UltraPly TPO or UltraPly TPO Platinum induction welded to Elevate UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-82.5
SC-367.	Min. 22 ga., type B, Grade 33 steel or Min. 2,500 psi structural concrete	None	One or more layers, any combination	Elevate Heavy Duty Fastener and Elevate UltraPly TPO InvisiWeld Plate	1 per 5.3 ft ² (6 parts per 4x8 ft board) Per FM LPDS 1-29	Elevate UltraPly TPO or UltraPly TPO Platinum induction welded to Elevate UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-45.0*
SC-368.	Min. 22 ga., type B, 50 ksi steel	V-Force with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 2.5-inch ISOGARD GL, ISOGARD CG or Elevate ISOGARD HD Composite	Elevate Heavy Duty Fastener and Elevate UltraPly TPO InvisiWeld Plate	1 per 4.0 ft ² (8 parts per 4x8 ft board) in a 24 x 24-inch grid	Elevate UltraPly TPO or UltraPly TPO Platinum induction welded to Elevate UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-52.5
SC-369.	Min. 22 ga., type B, 50 ksi steel	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board followed by V-Force with min. 3-inch side laps self-adhered	Min. 2.5-inch ISOGARD GL, ISOGARD CG or Elevate ISOGARD HD Composite	Elevate Heavy Duty Fastener and Elevate UltraPly TPO InvisiWeld Plate	1 per 4.0 ft ² (8 parts per 4x8 ft board) in a 24 x 24-inch grid	Elevate UltraPly TPO or UltraPly TPO Platinum induction welded to Elevate UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-52.5
SC-370.	Min. 22 ga., type B, Grade 33 steel or Min. 2,500 psi structural concrete	None	One or more layers, any combination	Elevate Heavy Duty Fastener and Elevate UltraPly TPO InvisiWeld Plate	1 per 4.0 ft ² (8 parts per 4x8 ft board) Per FM LPDS 1-29	Elevate UltraPly TPO or UltraPly TPO Platinum induction welded to Elevate UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-60.0
SC-371.	Min. 22 ga., type B, Grade 33 steel or Min. 2,500 psi structural concrete	None	One or more layers, any combination	Elevate Heavy Duty Fastener with alternating Rows of: 1.) Elevate UltraPly TPO InvisiWeld Plate 2.) Elevate Insulation Fastening Plate	1 per 2.0 ft ² (16 parts per 4x8 ft board) in a 12 x 24-inch grid	Elevate UltraPly TPO or UltraPly TPO Platinum induction welded to Elevate UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-67.5
SC-372.	Min. 22 ga., type B, Grade 33 steel or Min. 2,500 psi structural concrete	None	One or more layers, any combination	Elevate Heavy Duty Fastener and Elevate UltraPly TPO InvisiWeld Plate	1 per 2.7 ft ² (12 parts per 4x8 ft board) Per FM LPDS 1-29	Elevate UltraPly TPO or UltraPly TPO Platinum induction welded to Elevate UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-75.0
SC-373.	Min. 22 ga., type B, Grade 33 steel or Min. 2,500 psi structural concrete	None	One or more layers, any combination	Elevate Heavy Duty Fastener and Elevate UltraPly TPO InvisiWeld Plate	1 per 2.0 ft ² (16 parts per 4x8 ft board) Per FM LPDS 1-29	Elevate UltraPly TPO or UltraPly TPO Platinum induction welded to Elevate UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-105.0



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

System No.	Deck (4.1.2)	Vapor & Air Barrier	Insulation (4.2.3)		Roof Cover (3.1.4A)			MDP (psf)
			Type	Attach (3.1.2)	Membrane	Fasten (4.2.3)	Attach	
SC-374.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Fastener or Elevate Concrete Drive (concrete only) with Elevate HD Seam Plate or Elevate UltraPly TPO Barbed Seam Plate	18-inch o.c. within 6-inch wide laps spaced 72-inch o.c. Laps sealed with 1.5-inch heat weld.	-30.0 (NO HVHZ)
SC-375.	Min. 22 ga., type B, Grade 33 steel	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Plus Fastener with Elevate HD Plus Seam Plate	18-inch o.c. within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 1.5-inch heat weld.	-30.0 (NO HVHZ)
SC-376.	Min. 22 ga., type B, Grade 33 steel	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Fastener with Elevate HD Seam Plate	12-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-30.0 (NO HVHZ)
SC-377.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	None	(Optional for Recover) Min. 0.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135	Elevate HD Fastener or Elevate Concrete Drive (concrete only) with Elevate HD Seam Plate	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-30.0 (NO HVHZ)
SC-378.	Min. 22 ga., type B, Grade 33 steel	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Plus Fastener with Elevate HD Plus Seam Plate	12-inch o.c. within 6-inch wide laps spaced 142-inch o.c. Laps sealed with 1.5-inch heat weld.	-30.0 (NO HVHZ)
SC-379.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with Elevate HD Plus Seam Plate	18-inch o.c. within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 5-inch heat weld that encapsulates plates.	-37.5 (NO HVHZ)
SC-380.	Min. 22 ga., type B, Grade 33 steel	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Plus Fastener with Elevate HD Plus Seam Plate	12-inch o.c. within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 1.5-inch heat weld.	-37.5 (NO HVHZ)
SC-381.	Min. 22 ga., type B, Grade 33 steel	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Plus Fastener with Elevate HD Plus Seam Plate	12-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-37.5 (NO HVHZ)
SC-382.	Min. 22 ga., type B, 60 ksi steel	V-Force with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 2-inch ISOGARD GL, ISOGARD CG or Elevate ISOGARD HD Composite	3.1.1 (HD only) 1 per 5.3 ft ² 24x36-inch grid, 12-inch from board edges	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Fastener with Elevate HD Seam Plate	12-inch o.c. within 6-inch wide laps spaced 142-inch o.c. Laps sealed with 1.5-inch heat weld.	-37.5 (NO HVHZ)



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

System No.	Deck (4.1.2)	Vapor & Air Barrier	Insulation (4.2.3)		Roof Cover (3.1.4A)			MDP (psf)
			Type	Attach (3.1.2)	Membrane	Fasten (4.2.3)	Attach	
SC-383.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Fastener or Elevate Concrete Drive (concrete only) with Elevate HD Seam Plate or Elevate UltraPly TPO Barbed Seam Plate	12-inch o.c. within 6-inch wide laps spaced 72-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0
SC-384.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Fastener or Elevate Concrete Drive (concrete only) with Elevate HD Seam Plate	12-inch o.c. within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0
SC-385.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	None	Min. 0.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with Elevate HD Plus Seam Plate	12-inch o.c. within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0
SC-386.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Fastener or Elevate Concrete Drive (concrete only) with Elevate HD Seam Plate or Elevate UltraPly TPO Wide Weld Seam Plate	12-inch o.c. within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 5-inch heat weld that encapsulates plates.	-45.0
SC-387.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with Elevate HD Plus Seam Plate	12-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0
SC-388.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with Elevate HD Plus Seam Plate or Elevate UltraPly TPO Wide Weld Seam Plate	12-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 5-inch heat weld that encapsulates plates.	-45.0
SC-389.	Min. 22 ga., type B, 60 ksi steel	V-Force with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 0.5-inch ISOGARD GL, ISOGARD CG or Elevate ISOGARD HD	3.1.1 (HD only) 1 per 8 ft ² 24x72-inch grid	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Fastener with Elevate HD Seam Plate	12-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0
SC-390.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Fastener or Elevate Concrete Drive (concrete only) with Elevate HD Seam Plate or Elevate UltraPly TPO Barbed Seam Plate	6-inch o.c. within 6-inch wide laps spaced 72-inch o.c. Laps sealed with 1.5-inch heat weld.	-52.5



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

System No.	Deck (4.1.2)	Vapor & Air Barrier	Insulation (4.2.3)		Roof Cover (3.1.4A)			MDP (psf)
			Type	Attach (3.1.2)	Membrane	Fasten (4.2.3)	Attach	
SC-391.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	None	Min. 0.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Fastener or Elevate Concrete Drive (concrete only) with Elevate HD Seam Plate	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-52.5
SC-392.	Min. 22 ga., type B, 50 ksi steel	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board followed by V-Force with min. 3-inch side laps self-adhered	Min. 3-inch ISOGARD GL or ISOGARD CG	3.1.1 (HD only) 1 per 4.0 ft ² 24x24-inch grid	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Fastener with Elevate HD Seam Plate	12-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-52.5
SC-393.	Min. 22 ga., type B, 60 ksi steel	V-Force with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 0.5-inch ISOGARD GL, ISOGARD CG or Elevate ISOGARD HD	3.1.1 (HD only) 1 per 5.3 ft ² 24x36-inch grid, 12-inch from board edges	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Fastener with Elevate HD Seam Plate	12-inch o.c. within 6-inch wide laps spaced 142-inch o.c. Laps sealed with 1.5-inch heat weld.	-52.5
SC-394.	Min. 22 ga., type B, Grade 80 steel	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Fastener with Elevate HD Seam Plate	6-inch o.c. within 6-inch wide laps spaced 142-inch o.c. Laps sealed with 1.5-inch heat weld.	-52.5
SC-395.	Min. 22 ga., type B, 50 ksi steel	None	Min. 0.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Fastener with Elevate HD Seam Plate	6-inch o.c. within 7-inch wide laps spaced 89-inch o.c. Laps sealed with 1.5-inch heat weld.	-60.0
SC-396.	Min. 22 ga., type B, 50 ksi steel	None	Min. 0.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO (min. 60-mil) or UltraPly TPO Platinum	Elevate HD Fastener with Elevate HD Seam Plate	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-60.0
SC-397.	Min. 22 ga., type B, Grade 33 steel	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Plus Fastener with Elevate HD Plus Seam Plate	6-inch o.c. within 6-inch wide laps spaced 142-inch o.c. Laps sealed with 1.5-inch heat weld.	-60.0
SC-398.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	None	Min. 0.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with Elevate HD Plus Seam Plate	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-67.5
SC-399.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with Elevate HD Plus Seam Plate	6-inch o.c. within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 5-inch heat weld that encapsulates plates.	-82.5



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

System No.	Deck (4.1.2)	Vapor & Air Barrier	Insulation (4.2.3)		Roof Cover (3.1.4A)			MDP (psf)
			Type	Attach (3.1.2)	Membrane	Fasten (4.2.3)	Attach	
SC-400.	Min. 22 ga., type B, 60 ksi steel	Two (2) layers, V-Force with min. 3-inch side laps self-adhered	Min. 3-inch ISOGARD GL, ISOGARD CG or Elevate ISOGARD HD Composite	3.1.1 (HD only) 1 per 5.3 ft ² 24x36-inch grid, 12-inch from board edges	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Fastener with Elevate HD Seam Plate	12-inch o.c. within 6-inch wide laps spaced 142-inch o.c. Laps sealed with 1.5-inch heat weld.	-82.5
SC-401.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with Elevate HD Plus Seam Plate	6-inch o.c. within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 5-inch heat weld that encapsulates plates.	-90.0

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

System No.	Deck (4.1.2)	Insulation (4.2.3)		Roof Cover (3.1.4A)			MDP (psf)
		Type	Attach (3.1.2)	Membrane	Fasten (4.2.3)	Attach	
SC-402.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Fastener or Elevate Concrete Drive (concrete only) with Elevate Polymer Batten Strip	Fastener 12-inch o.c. through batten within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-30.0 (NO HVHZ)
SC-403.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick ISOGARD GL	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Plus Fastener with Elevate Coiled Metal Batten Strip	Fastener 12-inch o.c. through batten within 6-inch wide laps spaced 142-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-30.0 (NO HVHZ)
SC-404.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Fastener with Elevate Coiled Metal Batten Strip	Fastener 12-inch o.c. through batten within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-37.5 (NO HVHZ)
SC-405.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate UltraPly QuickSeam R.M.A. Strips with Elevate HD Fastener or Elevate Concrete Drive (concrete only) with Elevate Polymer Batten Strip	Elevate UltraPly QuickSeam R.M.A. Strips are applied over the insulation spaced 72-inch o.c. The batten is centered over each strip and fastened 12-inch o.c. Roof cover adhered to each strip by first priming with Single-Ply QuickPrime Primer at the strip location, then rolling into place with a hand roller.	-37.5 (NO HVHZ)
SC-406.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with Elevate Coiled Metal Batten Strip	Fastener 12-inch o.c. through batten within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-45.0



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

System No.	Deck (4.1.2)	Insulation (4.2.3)		Roof Cover (3.1.4A)			MDP (psf)
		Type	Attach (3.1.2)	Membrane	Fasten (4.2.3)	Attach	
SC-407.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate UltraPly QuickSeam R.M.A. Strips with Elevate HD Fastener with Elevate Coiled Metal Batten Strip	Elevate UltraPly QuickSeam R.M.A. Strips are applied over the insulation spaced 120-inch o.c. The batten is centered over each strip and fastened 6-inch o.c. Roof cover adhered to each strip by first priming with Elevate UltraPly TPO QuickPrime at the strip location, then rolling into place with a hand roller.	-45.0
SC-408.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination	Loose Laid	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Fastener with Elevate Coiled Metal Batten Strip	Fastener 6-inch o.c. through batten within 6-inch wide laps spaced 142-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-52.5
SC-409.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Fastener or Elevate Concrete Drive (concrete only) with Elevate Batten Strip or Coiled Metal Batten Strip	Fastener 6-inch o.c. through batten in field of the roof spaced 144-inch o.c. Battens sealed with 5-inch wide cover strip, with 1.5-inch heat weld on each side of the strip or by applying Elevate TPO QuickSeam Flashing atop batten.	-60.0
SC-410.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Fastener or Elevate Concrete Drive (concrete only) with Elevate Polymer Batten Strips	Fastener 6-inch o.c. through batten within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-60.0
SC-411.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Plus Fastener with Elevate Coiled Metal Batten Strip	Fastener 6-inch o.c. through batten within 6-inch wide laps spaced 142-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-60.0
SC-412.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Fastener or Elevate Concrete Drive (concrete only) with Elevate Coiled Metal Batten Strip or Elevate Polymer Batten Strip	Fastener 6-inch o.c. through batten within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-67.5
SC-413.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Plus Fastener with Elevate Coiled Metal Batten Strip	Fastener 6-inch o.c. through batten within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-67.5
SC-414.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Fastener or Elevate Concrete Drive (concrete only) with Elevate Batten Strip or Coiled Metal Batten Strip or Elevate HD Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with Elevate Polymer Batten Strip	Fastener 6-inch o.c. through batten within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-75.0
SC-415.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with Elevate Batten Strip or Coiled Metal Batten Strip	Fastener 6-inch o.c. through batten within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-82.5



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

System No.	Deck (4.1.2)	Insulation (4.2.3)		Roof Cover (3.1.4A)			MDP (psf)
		Type	Attach (3.1.2)	Membrane	Fasten (4.2.3)	Attach	
SC-416.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination	Loose Laid	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Plus Fastener (steel only) with Elevate 3/8" Polymer Batten Strips	Fastener 6-inch o.c. through batten within 6-inch wide laps spaced 68-inch o.c. Laps sealed with 5-inch heat weld that encapsulates battens.	-82.5
SC-417.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Fastener with Elevate Coiled Metal Batten Strip	Fastener 6-inch o.c. through batten within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-90.0
SC-418.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with Elevate Batten Strip or Coiled Metal Batten Strip	Fastener 6-inch o.c. through batten within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-97.5
SC-419.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Plus Fastener (steel only) or Elevate Concrete Drive (concrete only) with Elevate Coiled Metal Batten Strip	Fastener 6-inch o.c. through batten within 6-inch wide laps spaced 54-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-112.5
SC-420.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board loose laid over min. 1.5-inch thick, one or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Plus Fastener (steel only) with Elevate Coiled Metal Batten Strip	Fastener 6-inch o.c. through batten within 6-inch wide laps spaced 54-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-112.5
SC-421.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination	Loose Laid	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate HD Plus Fastener (steel only) with Elevate 3/8" Polymer Batten Strips	Lap Row: Fastener 6-inch o.c. through battens within 6-inch wide laps spaced 142-inch o.c. Laps sealed with 5-inch heat weld that encapsulates the batten. Field Row: Fastener 6-inch o.c. through battens in one intermediate row between laps. Batten strips covered with 5-inch wide Elevate UltraPly TPO strips sealed on both sides with 1.5-inch heat weld.	-135.0

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

System No.	Deck (4.1.2)	Insulation (4.2.3)		Base Sheet			Roof Cover (3.1.4)	MDP (psf)
		Type	Attach	Type	Fasten (4.2.3), (3.1.1)	Attach		
SC-422.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1-inch thick, one or more layers, any combination	Loose Laid	SBS Base	3.1.1	Max. 12-inch o.c. at the min. 3.4-inch laps 12-inch o.c. at two (2) equally spaced, staggered center rows	XR-XRSMA (RIBBON, 12). Ribbons centered between base sheet fastener rows	-37.5* (NO HVHZ)



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

System No.	Deck (4.1.2)	Insulation (4.2.3)		Base Sheet			Roof Cover (3.1.4)	MDP (psf)
		Type	Attach	Type	Fasten (4.2.3), (3.1.1)	Attach		
SC-423.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1-inch thick, one or more layers, any combination	Loose Laid	SBS Base	3.1.1	Max. 12-inch o.c. at the min. 3.4-inch laps 12-inch o.c. at two (2) equally spaced, staggered center rows	XR-XRSMA (RIBBON, 12). Ribbons placed atop stress plates in base sheet fastener rows	-45.0*
SC-424.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch thick, one or more layers, any combination	Loose Laid	MB Base	3.1.1	Max. 12-inch o.c. at the min. 2-inch laps 12-inch o.c. at two (2) equally spaced, staggered center rows	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / Hot asphalt	-45.0*



TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO 3.1.5 FOR VAPOR BARRIER OPTIONS

Table with 9 columns: System No., Deck (4.1.2), Primer, Base Insulation Layer (Type, Attach (3.1.3)), Top Insulation Layer (Type, Attach (3.1.3)), Roof Cover (3.1.4), and MDP (psf). Rows C-1 through C-11 detail various construction systems with their respective materials and load capacities.



TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO 3.1.5 FOR VAPOR BARRIER OPTIONS

Table with 9 columns: System No., Deck (4.1.2), Primer, Base Insulation Layer (Type, Attach (3.1.3)), Top Insulation Layer (Type, Attach (3.1.3)), Roof Cover (3.1.4), and MDP (psf). Rows C-12 through C-23 list various construction details and load requirements.



TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [3.1.5](#) 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)		
C-24	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	Elevate UltraPly TPO or UltraPly TPO Platinum / WBBA-P	-222.5
C-25	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	Elevate UltraPly TPO or UltraPly TPO Platinum / UP-BA, LVOC-BA-1168	-247.5
C-26	Min. 2,500 psi structural concrete	None	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	None	N/A	Elevate UltraPly TPO or UltraPly TPO Platinum / UP-BA, LVOC-BA-1168, WBBA-P	-300.0
C-27	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Polysat CRA	(Optional) Additional layers base insulation	Polysat CRA	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA-1168 or UP-BA	-270.0
C-28	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Polysat CRA	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Polysat CRA	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, UP-BA	-195.0
C-29	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Polysat CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polysat CRA	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA-1168 or UP-BA	-240.0
C-30	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	(Optional) Additional layers of base insulation	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA-1168 or UP-BA	-150.0
C-31	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD CG	I.S.O. Stick or Twin Jet	(Optional) Additional layers of base insulation	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO or UltraPly TPO Platinum / WBBA-P	-150.0
C-32	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD CG	I.S.O. Stick or Twin Jet, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Stick or Twin Jet, 6-inch o.c.	Elevate UltraPly TPO or UltraPly TPO Platinum / WBBA-P	-247.5
C-33	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD CG	I.S.O. Stick or Twin Jet, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Stick or Twin Jet, 6-inch o.c.	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-360.0
C-34	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD CG	I.S.O. Stick or Twin Jet	Min. 1-inch ISOGARD CG	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA-1168	-450.0



TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO 3.1.5 FOR VAPOR BARRIER OPTIONS

Table with 9 columns: System No., Deck (4.1.2), Primer, Base Insulation Layer (Type, Attach (3.1.3)), Top Insulation Layer (Type, Attach (3.1.3)), Roof Cover (3.1.4), and MDP (psf). Rows C-35 to C-46 detail various construction specifications and load requirements.



TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO 3.1.5 FOR VAPOR BARRIER OPTIONS

Table with 9 columns: System No., Deck (4.1.2), Primer, Base Insulation Layer (Type, Attach (3.1.3)), Top Insulation Layer (Type, Attach (3.1.3)), Roof Cover (3.1.4), and MDP (psf). Rows C-47 through C-58 detail various construction specifications.



TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [3.1.5](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (4.1.2)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf) (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
C-59	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch ISOGARD GL	Twin Jet Y, SPATTER	Min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, SPATTER	Elevate UltraPly TPO or UltraPly TPO Platinum / UP-BA, LVOC-BA-1168, WBBA-P	-45.0
C-60	Min. 2,500 psi structural concrete	None	Min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, SPATTER	None	Twin Jet Y, SPATTER	Elevate UltraPly TPO or UltraPly TPO Platinum / UP-BA, LVOC-BA, LVOC-BA-1168, WBBA-P	-45.0
C-61	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD CG	Twin Jet Y, SPATTER	Min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, SPATTER	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA, LVOC-BA-1168 OR UP-BA	-45.0
C-62	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	<u>Additional Insulation:</u> (Optional) Additional layers of base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, SPATTER	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond or UP-BA	-45.0
C-63	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	(Optional) Additional layers of base insulation	Twin Jet Y, RIBBON	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-165.0
C-64	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	(Optional) Additional layers of base insulation	Twin Jet Y, RIBBON	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA-1168 or UP-BA	-217.5
C-65	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD CG	Twin Jet Y, RIBBON	(Optional) Additional layers of base insulation	Twin Jet Y, RIBBON	Elevate UltraPly TPO or UltraPly TPO Platinum /WBBA-P	-217.5
C-66	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD CG	Twin Jet Y, RIBBON	(Optional) Additional layers of base insulation	Twin Jet Y, RIBBON	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-217.5
C-67	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD CG	Twin Jet Y, RIBBON	Min. 1-inch ISOGARD CG	Twin Jet Y, RIBBON	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA-1168	-217.5
C-68	Min. 2,500 psi structural concrete	None	Two layers min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, UP-BA	-195.0
C-69	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA-1168 or UP-BA	-217.5



TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [3.1.5](#) 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)		
C-70	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	Twin Jet Y, RIBBON	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-217.5
C-71	Min. 2,500 psi structural concrete	None	Min. two layers min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA-1168	-217.5
C-72	Min. 2,500 psi structural concrete	None	(Optional) One or more layers, min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	Min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond	-172.5
C-73	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	Min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON	Elevate UltraPly TPO or UltraPly TPO Platinum / UP-BA, LVOC-BA-1168, WBBA-P	-217.5
C-74	Min. 2,500 psi structural concrete	None	Min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON	None	Twin Jet Y, RIBBON	Elevate UltraPly TPO or UltraPly TPO Platinum / UP-BA, LVOC-BA, LVOC-BA-1168, WBBA-P	-217.5
C-75	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD CG	Twin Jet Y, RIBBON	Min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA, LVOC-BA-1168 OR UP-BA	-217.5
C-76	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	<u>Additional Insulation:</u> (Optional) Additional layers of base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond or UP-BA	-217.5
C-77	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	<u>Additional Insulation:</u> (Optional) Additional layers of base insulation <u>Coverboard:</u> Min. 7/16-inch DEXcell Cement Roof Board	Twin Jet Y, RIBBON	Elevate UltraPly TPO or UltraPly TPO Platinum / UP-BA	-217.5
ELEVATE ELEVATE ULTRAPLY TPO XR / HOT ASPHALT SYSTEMS:								
C-78	Min. 2,500 psi structural concrete	(Optional) ASTM D41	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	None	N/A	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / Hot Asphalt	-232.5
C-79	Min. 2,500 psi structural concrete	(Optional) ASTM D41	Min. 1.5-inch ISOGARD GL	Hot asphalt	(Optional) Additional layers of base insulation	Hot asphalt	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / Hot Asphalt	-300.0



TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [3.1.5](#) 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)		
C-80	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISOGARD GL	Hot Asphalt	None	N/A	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / Hot Asphalt	-382.5
C-81	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Hot Asphalt	None	N/A	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / Hot Asphalt	-487.5
C-82	Min. 2,500 psi structural concrete	(Optional) ASTM D41	Min. 1.5-inch ISOGARD GL	Hot Asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / Hot Asphalt	-457.5
C-83	Min. 2,500 psi structural concrete	(Optional) ASTM D41	Two layers min. 1.5-inch ISOGARD GL	Hot Asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / Hot Asphalt	-300.0
C-84	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / Hot Asphalt	-390.0
C-85	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / Hot Asphalt	-187.5
C-86	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Twin Jet Y, SPATTER	None	Twin Jet Y, SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / Hot Asphalt	-45.0
C-87	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / Hot Asphalt	-45.0
C-88	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	None	Twin Jet Y, RIBBON	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / Hot Asphalt	-217.5
C-89	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / Hot Asphalt	-217.5

ELEVATE ELEVATE ULTRAPLY TPO XR / JET BOND SPRAY ADHESIVE SYSTEMS:



TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [3.1.5](#) 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)		
C-90	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	XR-JBSA	-172.5
C-91	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	XR-JBSA	-172.5
C-92	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	XR-JBSA	-172.5
C-93	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 19/32-inch plywood	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	XR-JBSA	-45.0
C-94	Min. 2,500 psi structural concrete	None	Min. 1-inch Insulfoam 1 EPS or min. 2-inch Styrofoam Brand Roofmate or Highload 60	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	XR-JBSA	-112.5
C-95	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet, 4-inch o.c.	(Optional) Additional layers of base insulation	Twin Jet, 4-inch o.c.	XR-JBSA	-292.5
C-96	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet, 4-inch o.c.	<u>Additional Insulation:</u> (Optional) Additional layers of base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 19/32-inch plywood or min. 0.5-inch Elevate ISOGARD HD	Twin Jet, 4-inch o.c.	XR-JBSA	-292.5
C-97	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	XR-JBSA	-45.0
C-98	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, SPATTER	XR-JBSA	-45.0



TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [3.1.5](#) 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)		
C-99	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	(Optional) Additional layers of base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, SPATTER	XR-JBSA	-45.0
C-100	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	XR-JBSA	-172.5
C-101	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON	XR-JBSA	-172.5
C-102	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	(Optional) Additional layers of base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON	XR-JBSA	-217.5
ELEVATE ELEVATE ULTRAPLY TPO XR / I.S.O. SPRAY R OR XR STICK MEMBRANE ADHESIVE SYSTEMS:								
C-103	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-142.5
C-104	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-172.5
C-105	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0



TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO 3.1.5 FOR VAPOR BARRIER OPTIONS

Table with 9 columns: System No., Deck (4.1.2), Primer, Base Insulation Layer (Type, Attach (3.1.3)), Top Insulation Layer (Type, Attach (3.1.3)), Roof Cover (3.1.4), and MDP (psf). Rows C-106 through C-112 detail various construction specifications and load requirements.



TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO 3.1.5 FOR VAPOR BARRIER OPTIONS

Table with 9 columns: System No., Deck (4.1.2), Primer, Base Insulation Layer (Type, Attach (3.1.3)), Top Insulation Layer (Type, Attach (3.1.3)), Roof Cover (3.1.4), and MDP (psf). Rows C-113 through C-120 detail various construction specifications and load capacities.



TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [3.1.5](#) 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)		
C-121	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-45.0
C-122	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	Twin Jet Y, SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0
C-123	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	Twin Jet Y, SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-45.0
C-124	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	Twin Jet Y, SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-45.0
C-125	Min. 2,500 psi structural concrete	None	(Optional) Min. 1-inch ISOGARD GL	Twin Jet Y, SPATTER	Min. 0.5-inch DensDeck Prime	Twin Jet Y, SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-45.0
C-126	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	(Optional) Additional layers of base insulation	Twin Jet Y, SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-45.0
C-127	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	<u>Additional Insulation:</u> (Optional) Additional layers of base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-45.0



TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO 3.1.5 FOR VAPOR BARRIER OPTIONS

Table with 9 columns: System No., Deck (4.1.2), Primer, Base Insulation Layer (Type, Attach (3.1.3)), Top Insulation Layer (Type, Attach (3.1.3)), Roof Cover (3.1.4), and MDP (psf). Rows C-128 through C-134 detail various construction specifications and load requirements.



TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [3.1.5](#) 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)		
C-135	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	Twin Jet Y, RIBBON	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-172.5
C-136	Min. 2,500 psi structural concrete	None	(Optional) Min. 1-inch ISOGARD GL	Twin Jet Y, RIBBON	Min. 0.5-inch DensDeck Prime	Twin Jet Y, RIBBON	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-217.5
C-137	Min. 2,500 psi structural concrete	None	(Optional) Min. 1-inch ISOGARD GL	Twin Jet Y, RIBBON	Min. 7/16-inch DEXcell Cement Roof Board	Twin Jet Y, RIBBON	XR-XRSM (RIBBON, 4)	-217.5
C-138	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	(Optional) Additional layers of base insulation	Twin Jet Y, RIBBON	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-217.5
C-139	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	<u>Additional Insulation:</u> (Optional) Additional layers of base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, or min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-217.5
ELEVATE ELEVATE ULTRAPLY TPO XR / TWIN JET SYSTEMS:								
C-140	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	XR-TJ or XR-TJY (RIBBON, 6)	-127.5
C-141	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	XR-TJ (RIBBON, 6)	-142.5
C-142	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-172.5



TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO [3.1.5](#) 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)		
C-143	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL, ISOGARD CG or min. 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet, 6-inch o.c.	None	N/A	XR-TJ (RIBBON, 4 or SPATTER)	-412.5
C-144	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	XR-TJ or XR-TJY (RIBBON, 6)	-82.5
C-145	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-172.5
C-146	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	XR-TJ or XR-TJY (RIBBON, 6)	-60.0
C-147	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-172.5
C-148	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	XR-TJ or XR-TJY (RIBBON, 12)	-45.0
C-149	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	XR-TJ or XR-TJY (RIBBON, 6)	-60.0
C-150	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-172.5
C-151	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 19/32-inch plywood	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	XR-TJ or XR-TJY (RIBBON, 6 or SPATTER)	-45.0



TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [3.1.5](#) 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)		
C-152	Min. 2,500 psi structural concrete	None	Min. 1-inch Insulfoam 1 EPS or min. 2-inch Styrofoam Brand Roofmate or Highload 60	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-112.5
C-153	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD CG	Twin Jet, 4-inch o.c.	(Optional) Additional layers of base insulation	Twin Jet, 4-inch o.c.	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-337.5
C-154	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet, 4-inch o.c.	<u>Additional Insulation:</u> (Optional) Additional layers of base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board or min. 19/32-inch plywood	Twin Jet, 4-inch o.c.	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-247.5
C-155	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet, 4-inch o.c.	<u>Additional Insulation:</u> (Optional) Additional layers of base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Twin Jet, 4-inch o.c.	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-337.5
C-156	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Twin Jet Y, 4-inch o.c.	(Optional) Additional layers of base insulation	Twin Jet Y, 4-inch o.c.	XR-TJY or XR-TJY (RIBBON, 4)	-397.5
C-157	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Twin Jet Y, 4-inch o.c.	(Optional) Additional layers of base insulation	Twin Jet Y, 4-inch o.c.	XR-TJY or XR-TJY (SPATTER)	-495.0
C-158	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	Twin Jet Y, SPATTER	XR-TJ or XR-TJY (RIBBON, 6, 4 or SPATTER)	-45.0
C-159	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL, ISOGARD CG or min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, SPATTER	None	Twin Jet Y, SPATTER	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-45.0
C-160	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, SPATTER	XR-TJ or XR-TJY (RIBBON, 6, 4 or SPATTER)	-45.0
C-161	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime	Twin Jet Y, SPATTER	XR-TJ or XR-TJY (RIBBON, 6, 4 or SPATTER)	-45.0
C-162	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, SPATTER	XR-TJ or XR-TJY (RIBBON, 12, 6, 4 or SPATTER)	-45.0
C-163	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD CG	Twin Jet Y, SPATTER	(Optional) Additional layers of base insulation	Twin Jet Y, SPATTER	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-45.0



TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO 3.1.5 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)		
C-164	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Additional Insulation: (Optional) Additional layers of base insulation Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	Twin Jet Y, SPATTER	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-45.0
C-165	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL	Twin Jet Y, RIBBON	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL	Twin Jet Y, RIBBON	XR-TJ or XR-TJY (RIBBON, 6)	-127.5
C-166	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD CG	Twin Jet Y, RIBBON	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD CG	Twin Jet Y, RIBBON	XR-TJ (RIBBON, 6)	-142.5
C-167	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-172.5
C-168	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL, ISOGARD CG or min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON	None	N/A	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-217.5
C-169	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON	XR-TJ or XR-TJY (RIBBON, 6)	-82.5
C-170	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-172.5
C-171	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime	Twin Jet Y, RIBBON	XR-TJ or XR-TJY (RIBBON, 6)	-60.0
C-172	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime	Twin Jet Y, RIBBON	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-172.5
C-173	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	XR-TJ or XR-TJY (RIBBON, 12)	-45.0
C-174	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	XR-TJ or XR-TJY (RIBBON, 6)	-60.0
C-175	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-172.5



TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [3.1.5](#) 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)		
C-176	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD CG	Twin Jet Y, RIBBON	(Optional) Additional layers of base insulation	Twin Jet Y, RIBBON	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-217.5
C-177	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	<u>Additional Insulation:</u> (Optional) Additional layers of base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	Twin Jet Y, RIBBON	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-217.5
C-178	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	XR-TJY (RIBBON, 6)	-127.5
C-179	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL, ISOGARD CG or min. 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet, 6-inch o.c.	None	N/A	XR-TJY (RIBBON, 4)	-397.5
C-180	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL, ISOGARD CG or min. 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet, 6-inch o.c.	None	N/A	XR-TJY (SPATTER)	-412.5
C-181	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD CG	Twin Jet Y, RIBBON	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD CG	Twin Jet Y, RIBBON	XR-TJY (RIBBON, 6)	-127.5
ELEVATE ELEVATE ULTRAPLY TPO XR / XR BONDING ADHESIVE SYSTEMS:								
C-182	Min. 2,500 psi structural concrete	ASTM D41	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	None	N/A	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-232.5
C-183	Min. 2,500 psi structural concrete	ASTM D41	One or two layers min. 1.5-inch ISOGARD GL	Hot Asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-300.0
C-184	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-112.5
C-185	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack; I.S.O. Stick; Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-390.0



TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [3.1.5](#) 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)		
C-186	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-300.0
C-187	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stickor Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stickor Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-187.5
C-188	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-45.0
C-189	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-390.0
ELEVATE ULTRAPLY TPO SA SYSTEMS:								
C-190	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Hot Asphalt	(Optional) Tapered ISOGARD GL	Hot asphalt	SA	-180.0
C-191	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISOGARD GL with optional Tapered ISOGARD GL	Hot Asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	SA	-195.0
C-192	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Additional layers of base insulation	I.S.O. Spray R; I.S.O. Twin Pack	SA	-165.0
C-193	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack, 8-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Spray R; I.S.O. Twin Pack, 8-inch o.c.	SA	-240.0
C-194	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack, 4-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Spray R; I.S.O. Twin Pack, 4-inch o.c.	SA	-285.0
C-195	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Spray R; I.S.O. Twin Pack, 6-inch o.c.	SA	-360.0
C-196	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.25-inch DensDeck Prime	I.S.O. Spray R; I.S.O. Twin Pack	SA	-127.5
C-197	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	SA	-157.5



TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [3.1.5](#) 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)		
C-198	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack, 8-inch o.c.	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack, 8-inch o.c.	SA	-187.5
C-199	Min. 2,500 psi structural concrete	None	Two layers min. 1.5-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack, 8-inch o.c.	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack, 8-inch o.c.	SA	-195.0
C-200	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack, 4-inch o.c.	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack, 4-inch o.c.	SA	-247.5
C-201	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	SA	-247.5
C-202	Min. 2,500 psi structural concrete	None	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	None	N/A	SA	-300.0
C-203	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Polysat CRA	(Optional) Additional layers base insulation	Polysat CRA	SA	-270.0
C-204	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Polysat CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polysat CRA	SA	-240.0
C-205	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	(Optional) Additional layers of base insulation	I.S.O. Stick or Twin Jet	SA	-150.0
C-206	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD CG	I.S.O. Stick or Twin Jet, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Stick or Twin Jet, 6-inch o.c.	SA	-360.0
C-207	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet	SA	-150.0
C-208	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick or Twin Jet	SA	-300.0
C-209	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD CG	I.S.O. Stick or Twin Jet, 6-inch o.c.	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick or Twin Jet, 6-inch o.c.	SA	-360.0
C-210	Min. 2,500 psi structural concrete	None	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick or Twin Jet	None	N/A	SA	-405.0
C-211	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL or CG	Twin Jet Y, SPATTER	(Optional) Additional layers of base insulation	Twin Jet Y, SPATTER	SA	-45.0
C-212	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Twin Jet Y, SPATTER	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, SPATTER	SA	-45.0



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TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO [3.1.5](#) 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)		
C-213	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD CG	Twin Jet Y, SPATTER	Min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, SPATTER	SA	-45.0
C-214	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL or CG	Twin Jet Y, RIBBON	(Optional) Additional layers of base insulation	Twin Jet Y, RIBBON	SA	-217.5
C-215	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON	SA	-217.5
C-216	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD CG	Twin Jet Y, RIBBON	Min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON	SA	-217.5
C-217	Min. 2,500 psi structural concrete	None	Min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON	None	Twin Jet Y, RIBBON	SA	-217.5



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**TABLE 3B: 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	Application	Top Ply	Application	
C-218	Min. 2,500 psi structural concrete	None	None	N/A	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135	XR Stick (RIBBON, 12)	-97.5
C-219	Min. 2,500 psi structural concrete	None	None	N/A	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135	XR Stick (RIBBON, 6)	-150.0
C-220	Min. 2,500 psi structural concrete	ASTM D41	None	N/A	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135	XR-BA	-180.0
C-221	Min. 2,500 psi structural concrete	None	None	N/A	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135	XR-BA	-360.0
C-222	Min. 2,500 psi structural concrete	ASTM D41	None	N/A	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135	Hot asphalt	-382.5
C-223	Min. 2,500 psi structural concrete	None	None	N/A	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135	I.S.O. Spray R (RIBBON, 4)	-472.5
C-224	Min. 2,500 psi structural concrete	None	None	N/A	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135	Hot asphalt	-487.5
C-225	Min. 2,500 psi structural concrete	ASTM D41	None	N/A	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135	Hot asphalt	-495.0
C-226	Min. 2,500 psi structural concrete	None	None	N/A	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135	Twin Jet (RIBBON, 4 or SPATTER)	-495.5
C-227	Min. 2,500 psi structural concrete	ASTM D41	One or two plies Elevate Type IV (4) M or Type VI (6) M or one ply of MB Base, SBS Base, SBS PolyBase or SBS Premium Base	Hot asphalt	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135	I.S.O. Spray R (RIBBON, 4)	-240.0
C-228	Min. 2,500 psi structural concrete	ASTM D41	One or two plies Elevate Type IV (4) M or Type VI (6) M or one ply of MB Base, SBS Base, SBS PolyBase or SBS Premium Base	Hot asphalt	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135	XR Stick (RIBBON, 4)	-315.0
C-229	Min. 2,500 psi structural concrete	ASTM D41	One or two plies Elevate Type IV (4) M or Type VI (6) M or one ply of MB Base, SBS Base, SBS PolyBase or SBS Premium Base	Hot asphalt	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135	I.S.O. Spray R (RIBBON, 4)	-360.0



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

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)		
ELEVATE ULTRAPLY TPO SYSTEMS:								
CELCORE (NOA 23-0718.06):								
LWC-1	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL	I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL	I.S.O. Twin Pack	Elevate UltraPly TPO or UltraPly TPO Platinum / WBBA-P	-45.0
LWC-2	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	I.S.O. Twin Pack	Min. 2-inch Elevate ISOGARD HD Composite	I.S.O. Twin Pack	Elevate UltraPly TPO or UltraPly TPO Platinum / WBBA-P	-135.0
LWC-3	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack	Elevate UltraPly TPO or UltraPly TPO Platinum / WBBA-P	-135.0
LWC-4	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG 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	I.S.O. Twin Pack	Elevate UltraPly TPO or UltraPly TPO Platinum / WBBA-P	-135.0
LWC-5	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL	I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL	I.S.O. Twin Pack	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-217.5
LWC-6	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD CG	I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD CG	I.S.O. Twin Pack	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-217.5
LWC-7	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	I.S.O. Twin Pack	Min. 2-inch Elevate ISOGARD HD Composite	I.S.O. Twin Pack	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond	-172.5
LWC-8	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	I.S.O. Twin Pack	Min. 2-inch Elevate ISOGARD HD Composite	I.S.O. Twin Pack	v / LVOC-BA, LVOC-BA-1168 OR UP-BA	-217.5



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

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)		
LWC-9	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond	-172.5
LWC-10	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA, LVOC-BA-1168 OR UP-BA	-217.5
LWC-11	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG 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	I.S.O. Twin Pack	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-217.5
LWC-12	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 19/32-inch plywood	I.S.O. Twin Pack	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA, LVOC-BA-1168 OR UP-BA	-217.5
LWC-13	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD CG	I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD CG	I.S.O. Twin Pack	Elevate UltraPly TPO or UltraPly TPO Platinum / WBBA-P	-217.5
LWC-14	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL	I.S.O. Stick or Twin Jet	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO or UltraPly TPO Platinum / WBBA-P	-45.0
LWC-15	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	I.S.O. Stick or Twin Jet	Min. 2-inch Elevate ISOGARD HD Composite	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO or UltraPly TPO Platinum / WBBA-P	-135.0
LWC-16	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO or UltraPly TPO Platinum / WBBA-P	-135.0



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

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)		
LWC-17	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG 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	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO or UltraPly TPO Platinum / WBBA-P	-135.0
LWC-18	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL	I.S.O. Stick or Twin Jet	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL	I.S.O. Stick or Twin Jet	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-187.5
LWC-19	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD CG	I.S.O. Stick or Twin Jet	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD CG	I.S.O. Stick or Twin Jet	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-187.5
LWC-20	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	I.S.O. Stick or Twin Jet	Min. 2-inch Elevate ISOGARD HD Composite	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond	-172.5
LWC-21	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	I.S.O. Stick or Twin Jet	Min. 2-inch Elevate ISOGARD HD Composite	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA, LVOC-BA-1168 OR UP-BA	-187.5
LWC-22	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond	-172.5
LWC-23	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA, LVOC-BA-1168 OR UP-BA	-187.5
LWC-24	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG 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	I.S.O. Stick or Twin Jet	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-187.5



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

System No.	Deck (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)		
LWC-25	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 19/32-inch plywood	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA, LVOC-BA-1168 OR UP-BA	-187.5
LWC-26	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD CG	I.S.O. Stick or Twin Jet	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD CG	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO or UltraPly TPO Platinum / WBBA-P	-187.5
LWC-27	Structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	(Optional) Additional layers of base insulation	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, UP-BA	-225.0
LWC-28	Structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, UP-BA	-225.0
LWC-29	Structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL	Polyset CRA	Min. 0.25-inch DensDeck	Polyset CRA	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, UP-BA	-195.0
LWC-30	Structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL	Polyset CRA	(Optional) Additional layers base insulation	Polyset CRA	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, UP-BA	-222.5
LWC-31	Structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete.	Min. 1.5-inch ISOGARD GL	Polyset CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, UP-BA	-222.5

ELASTIZELL (NOA 23-0817.05):



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

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)		
LWC-32	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Cellular Lightweight Insulating Concrete	Min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	(Optional) Additional layers of base insulation	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, UP-BA	-225.0
LWC-33	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Cellular Lightweight Insulating Concrete	Min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, UP-BA	-225.0
LWC-34	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Cellular Lightweight Insulating Concrete	Min. 1.5-inch ISOGARD GL	Polyset CRA	(Optional) Additional layers base insulation	Polyset CRA	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, UP-BA	-180.0
LWC-35	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Cellular Lightweight Insulating Concrete	Min. 1.5-inch ISOGARD GL	Polyset CRA	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, UP-BA	-180.0
INSULCEL (NOA 22-1020.11):								
LWC-36	Structural concrete	Min. 200 psi, min. 2-inch thick Siplast Insulcel	Min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	(Optional) Additional layers of base insulation	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, UP-BA	-225.0
LWC-37	Structural concrete	Min. 200 psi, min. 2-inch thick Siplast Insulcel	Min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, UP-BA	-225.0
MEARLCRETE (NOA 19-0729.03):								



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

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)		
LWC-38	Structural concrete	Min. 200 psi, min. 2-inch thick Mearlcrete	Min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	(Optional) Additional layers of base insulation	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, UP-BA	-225.0
LWC-39	Structural concrete	Min. 200 psi, min. 2-inch thick Mearlcrete	Min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, UP-BA	-225.0
LWC-40	Structural concrete	Min. 200 psi, min. 2-inch thick Mearlcrete	Min. 1.5-inch ISOGARD GL	Polyset CRA	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, UP-BA	-195.0
LWC-41	Structural concrete	Min. 200 psi, min. 2-inch thick Mearlcrete	Min. 1.5-inch ISOGARD GL	Polyset CRA	(Optional) Additional layers base insulation	Polyset CRA	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, UP-BA	-240.0
LWC-42	Structural concrete	Min. 200 psi, min. 2-inch thick Mearlcrete	Min. 1.5-inch ISOGARD GL	Polyset CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, UP-BA	-240.0
ELEVATE ULTRAPLY TPO XR / JET BOND SPRAY ADHESIVE SYSTEMS:								
CELCORE (NOA 23-0718.06):								
LWC-43	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	XR-JBSA	-172.5
LWC-44	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Min. 2-inch Elevate ISOGARD HD Composite	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	XR-JBSA	-172.5



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

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)		
LWC-45	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 19/32-inch plywood or min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	XR-JBSA	-172.5
ELEVATE ULTRAPLY TPO XR / I.S.O. SPRAY R OR XR STICK MEMBRANE ADHESIVE SYSTEMS:								
CELCORE (NOA 23-0718.06):								
LWC-46	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Min. 2-inch Elevate ISOGARD HD Composite	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0
LWC-47	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0
LWC-48	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG 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	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0
LWC-49	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 19/32-inch plywood	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0
LWC-50	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG 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	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-60.0



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

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)		
LWC-51	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Min. 2-inch Elevate ISOGARD HD Composite	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-82.5
LWC-52	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-82.5
LWC-53	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-142.5
LWC-54	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-142.5
LWC-55	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-172.5
LWC-56	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-172.5



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

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)		
LWC-57	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Min. 2-inch Elevate ISOGARD HD Composite	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-172.5
LWC-58	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-172.5
LWC-59	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG 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	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-172.5
ELEVATE ULTRAPLY TPO XR / TWIN JET SYSTEMS:								
CELCORE (NOA 23-0718.06):								
LWC-60	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Min. 2-inch Elevate ISOGARD HD Composite	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	XR-TJ (RIBBON, 6 or SPATTER)	-45.0
LWC-61	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	XR-TJ (RIBBON, 6 or SPATTER)	-45.0
LWC-62	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	XR-TJ (RIBBON, 6 or SPATTER)	-45.0
LWC-63	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	XR-TJ (RIBBON, 12 or SPATTER)	-45.0



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

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)		
LWC-64	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 19/32-inch plywood	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	XR-TJ (RIBBON, 6 or SPATTER)	-45.0
LWC-65	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	XR-TJ (RIBBON, 6 or SPATTER)	-60.0
LWC-66	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Min. 2-inch Elevate ISOGARD HD Composite	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	XR-TJ (RIBBON, 6 or SPATTER)	-82.5
LWC-67	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	XR-TJ (RIBBON, 6 or SPATTER)	-82.5
LWC-68	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	XR-TJ (RIBBON, 6 or SPATTER)	-127.5
LWC-69	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	XR-TJ (RIBBON, 6 or SPATTER)	-142.5
LWC-70	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	XR-TJ (RIBBON, 4 or SPATTER)	-172.5
LWC-71	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	XR-TJ (RIBBON, 4 or SPATTER)	-172.5
LWC-72	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Min. 2-inch Elevate ISOGARD HD Composite	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	XR-TJ (RIBBON, 4 or SPATTER)	-172.5



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

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)		
LWC-73	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	XR-TJ (RIBBON, 4 or SPATTER)	-172.5
LWC-74	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	XR-TJ (RIBBON, 4 or SPATTER)	-172.5
ELEVATE ULTRAPLY TPO XR / XR BONDING ADHESIVE SYSTEMS:								
CELCORE (NOA 23-0718.06):								
LWC-75	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL	I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL	I.S.O. Twin Pack	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-112.5
LWC-76	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD CG	I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD CG	I.S.O. Twin Pack	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-142.5
LWC-77	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	I.S.O. Twin Pack	Min. 2-inch Elevate ISOGARD HD Composite	I.S.O. Twin Pack	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-217.5
LWC-78	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-217.5
LWC-79	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-217.5
LWC-80	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL	I.S.O. Stick or Twin Jet	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-112.5
LWC-81	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD CG	I.S.O. Stick or Twin Jet	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD CG	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-142.5



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

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)		
LWC-82	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	I.S.O. Stick or Twin Jet	Min. 2-inch Elevate ISOGARD HD Composite	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-187.5
LWC-83	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-187.5
LWC-84	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-187.5

**TABLE 4B: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER**

System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Roof Cover (3.1.4)	MDP (psf)
ELEVATE ULTRAPLY TPO SYSTEMS:				
CELCORE (NOA 23-0718.06):				
LWC-85	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Elevate UltraPly TPO or UltraPly TPO Platinum / UP-BA	-247.5
PRE-EXISTENT CELLULAR CONCRETE (3.1.2(E)):				
LWC-86	Min. 22 ga., type B, Grade 33 vented steel deck at max. 5 ft spans or min. 2,500 psi structural concrete	Pre-existent Min. 200 psi, min. 2-inch thick Approved cellular LWIC with optional 1-inch thick, 1.0 pcf EPS holey board.	Elevate UltraPly TPO or UltraPly TPO Platinum / UP-BA	-67.5
LWC-87	Min. 22 ga., type B, Grade 33 vented steel deck at max. 5 ft spans or min. 2,500 psi structural concrete	Pre-existent Min. 200 psi, min. 2-inch thick Approved cellular LWIC with optional 1-inch thick, 1.0 pcf EPS holey board. When walkable, LWC is mechanically attached with Elevate Insulation Fastening Plate with Elevate HD Fastener at a density of 1 per 2.0 ft ² .	Elevate UltraPly TPO or UltraPly TPO Platinum / UP-BA	-135.0
ELEVATE ULTRAPLY TPO XR SYSTEMS:				
CELCORE (NOA 23-0718.06):				
LWC-88	Min. 22 ga., type B, Grade 33 vented steel deck at max. 6 ft spans or min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete with optional 1-inch thick, 1.0 pcf EPS holey board.	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-45.0



TABLE 4B: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER

Table with 5 columns: System No., Deck (4.1.2), Lightweight Concrete (3.1.2), Roof Cover (3.1.4), and MDP (psf). Rows include LWC-89 through LWC-98, with a section for ELASTIZELL (NOA 23-0817.05) containing LWC-97 and LWC-98.



TABLE 4B: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER

Table with 5 columns: System No., Deck (4.1.2), Lightweight Concrete (3.1.2), Roof Cover (3.1.4), and MDP (psf). Rows include LWC-99, LWC-100, and LWC-101/102 with detailed material and performance specifications.

TABLE 5A: CEMENTITIOUS WOOD FIBER DECKS - REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

Table with 7 columns: System No., Deck (4.1.2) and (4.2.3), Base Insulation Layer (Type, Attach 3.1.3), Top Insulation Layer (Type, Attach 3.1.3), Roof Cover (3.1.4), and MDP (psf). Rows include CWF-1 through CWF-8 with detailed material and performance specifications.



**TABLE 5A: CEMENTITIOUS WOOD FIBER DECKS - REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

System No.	Deck (4.1.2) and (4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
CBF-9.	Existing Tectum	Min. 0.5-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Min. 0.5-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack	XR-JBSA	-67.5
ELEVATE ULTRAPLY TPO XR / TWIN JET OR XR STICK MEMBRANE ADHESIVE SYSTEMS:							
CBF-10.	Existing Tectum	Min. 1-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack	None	I.S.O. Spray R; I.S.O. Twin Pack	XR-TJ or XR-TJY (RIBBON, 6)	-45.0
CBF-11.	Existing Tectum	Min. 0.5-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.5-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack	XR-TJ or XR-TJY (RIBBON, 6)	-45.0
CBF-12.	Existing Tectum	Min. 1-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack	None	I.S.O. Spray R; I.S.O. Twin Pack	XR-TJ (RIBBON, 6) or XR Stick (RIBBON, 6)	-75.0
CBF-13.	Existing Tectum	Min. 0.5-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.5-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack	XR-TJ (RIBBON, 6) or XR Stick (RIBBON, 6)	-82.5

**TABLE 5B: CEMENTITIOUS WOOD FIBER DECKS - REROOF (TEAR-OFF)
 SYSTEM TYPE A-2: 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 (4.2.3)	Attach	Type	Attach (3.1.3)	Type	Attach (3.1.3)		
CBF-14.	Existing Tectum	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Locking Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, UP-BA	-45.0*
CBF-15.	Existing Tectum	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Locking Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA-1168	-45.0*
CBF-16.	Existing Tectum	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Locking Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	Min. 0.25-inch DEXcell FA Glass Mat Roof Board of min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick or Twin Jet	BB-JBSA, BB-LVOC, BB-LVOC-1168, BB-UPBA or BB-WBBA-P	-45.0*



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

Table with 8 columns: System No., Deck, Base Insulation Layer (Type, Attach), Top Insulation Layer (Type, Attach), Roof Cover, and MDP (psf). Rows G-1 through G-12 describe various gypsum deck systems with their respective insulation and roof cover details.



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

System No.	Deck (4.1.2) and (4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
G-13.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	Twin Jet Y, SPATTER	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, SPATTER	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA-1168, UP-BA	-45.0
G-14.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	Twin Jet Y, SPATTER	Min. 0.25-inch DEXcell FA Glass Mat Roof Board of min. 7/16-inch DEXcell Cement Roof Board	Twin Jet Y, SPATTER	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-45.0
G-15.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA-1168, UP-BA	-112.5
G-16.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	Min. 0.25-inch DEXcell FA Glass Mat Roof Board of min. 7/16-inch DEXcell Cement Roof Board	Twin Jet Y, RIBBON	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-112.5
ELEVATE ULTRAPLY TPO XR SYSTEMS:							
G-17.	Existing gypsum deck	(Optional) Min. 1.5-inch ISOGARD GL	I.S.O. Twin Pack	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack	XR-TJ (RIBBON, 4)	-172.5
G-18.	Existing gypsum deck	(Optional) Min. 1.5-inch ISOGARD GL	I.S.O. Twin Pack	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack	XR-JBSA or XR-XRSMa (RIBBON, 4)	-230.0
G-19.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	Twin Jet Y, SPATTER	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, SPATTER	XR-TJ (RIBBON, 4 or SPATTER), XR-TJY (RIBBON, 4 or SPATTER)	-45.0
G-20.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	Twin Jet Y, SPATTER	Min. 0.25-inch DEXcell FA Glass Mat Roof Board of min. 7/16-inch DEXcell Cement Roof Board	Twin Jet Y, SPATTER	XR-TJ (RIBBON, 4 or SPATTER), XR-TJY (RIBBON, 4 or SPATTER)	-45.0
G-21.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	XR-TJ (RIBBON, 4 or SPATTER), XR-TJY (RIBBON, 4 or SPATTER)	-112.5
G-22.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	Min. 0.25-inch DEXcell FA Glass Mat Roof Board of min. 7/16-inch DEXcell Cement Roof Board	Twin Jet Y, RIBBON	XR-TJ (RIBBON, 4 or SPATTER), XR-TJY (RIBBON, 4 or SPATTER)	-112.5



TABLE 6B: GYPSUM DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)										
SYSTEM TYPE A-2: 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 (4.2.3)	Attach	Type	Attach (3.1.3)	Type	Attach (3.1.3)		
G-23.	Existing gypsum deck	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Locking Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, UP-BA	-45.0*
G-24.	Existing gypsum deck	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Locking Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA-1168	-45.0*

TABLE 6C: GYPSUM DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)			
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER			
System No.	Deck (4.1.2)	Roof Cover (3.1.4)	MDP (psf)
G-25.	Existing gypsum deck	XR-TJY (SPATTER)	-45.0
G-26.	Existing gypsum deck	XR-TJ (SPATTER)	-272.5

TABLE 7A: RECOVER APPLICATIONS							
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
^A The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.3). 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) and (4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf) ^A
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
ELEVATE ULTRAPLY TPO SYSTEMS:							
R-1	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISOGARD GL	Hot Asphalt	(Optional) Tapered ISOGARD GL	Hot asphalt	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA-1168 or UP-BA	-180.0
R-2	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISOGARD GL with optional Tapered ISOGARD GL	Hot Asphalt	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, UP-BA	-195.0
R-3	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISOGARD GL with optional Tapered ISOGARD GL	Hot Asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA-1168	-195.0



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

^A The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.3). 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) and (4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf) ^A
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
R-4	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISOGARD GL with optional Tapered ISOGARD GL	Hot Asphalt	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Hot Asphalt	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-195.0
R-5	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, UP-BA	-157.5
R-6	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA-1168	-157.5
R-7	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-157.5
R-8	Existing asphaltic BUR or granule surface modified bitumen	(Optional) Min. 1.5-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA-1168 or UP-BA	-157.5
R-9	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack	Elevate UltraPly TPO or UltraPly TPO Platinum / WBBA-P	-45.0
R-10	Existing granule surface modified bitumen	Min. 1-inch ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack	Elevate UltraPly TPO or UltraPly TPO Platinum / WBBA-P	-247.5
R-11	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-262.5
R-12	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	Elevate UltraPly TPO or UltraPly TPO Platinum / WBBA-P	-135.0
R-13	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond	-172.5



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

^A The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.3). 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) and (4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf) ^A
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
R-14	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	Elevate UltraPly TPO or UltraPly TPO Platinum / LVOC-BA, LVOC-BA-1168 OR UP-BA	-262.5
R-15	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; 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	I.S.O. Spray R; I.S.O. Twin Pack	Elevate UltraPly TPO or UltraPly TPO Platinum / WBBA-P	-135.0
R-16	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	BB-JBSA, BB-LVOC or BB-UPBA	-247.5
R-17	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA-1168 or UP-BA	-262.5
R-18	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-262.5
R-19	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISOGARD GL	Polyset CRA	(Optional) Additional layers base insulation	Polyset CRA	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA-1168 or UP-BA	-262.5
R-20	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISOGARD GL	Polyset CRA	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, UP-BA	-195.0
R-21	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISOGARD GL	Polyset CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA-1168 or UP-BA	-240.0



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

The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.3). 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

Table with 8 columns: System No., Substrate, Base Insulation Layer (Type, Attach), Top Insulation Layer (Type, Attach), Roof Cover, and MDP (psf). Rows R-22 through R-31 detail various roof assembly configurations and their corresponding design pressures.



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

^A The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.3). 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) and (4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf) ^A
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
R-32	Existing granule surface modified bitumen	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	(Optional) Additional layers of base insulation	Twin Jet Y, SPATTER	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-45.0
R-33	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, SPATTER	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-45.0
R-34	Existing asphaltic BUR	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; 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	Twin Jet Y, SPATTER	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-45.0
R-35	Existing granule surface modified bitumen	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	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	Twin Jet Y, SPATTER	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-45.0
R-36	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISOGARD CG	Twin Jet Y, RIBBON	Elevate UltraPly TPO or UltraPly TPO Platinum / WBBA-P	-60.0
R-37	Existing asphaltic BUR	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	Twin Jet Y, RIBBON	BB-JBSA, BB-LVOC, BB-LVOC-1168 or BB-UPBA	-60.0
R-38	Existing granule surface modified bitumen	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	(Optional) Additional layers of base insulation	Twin Jet Y, RIBBON	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-120.0
R-39	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-60.0
R-40	Existing asphaltic BUR	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; 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	Twin Jet Y, RIBBON	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-60.0



TABLE 7A: RECOVER APPLICATIONS

SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

^A The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.3). 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) and (4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf) ^A
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
R-41	Existing granule surface modified bitumen	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	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	Twin Jet Y, RIBBON	Elevate UltraPly TPO or UltraPly TPO Platinum / Jet Bond, LVOC-BA, LVOC-BA-1168, UP-BA or WBBA-P	-120.0
ELEVATE ULTRAPLY TPO XR / HOT ASPHALT SYSTEMS:							
R-42	Existing granule surface modified bitumen	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	None	N/A	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / Hot Asphalt	-457.5
R-43	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / Hot Asphalt	-262.5
R-44	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / Hot Asphalt	-352.5
R-45	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / Hot Asphalt	-45.0
R-46	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / Hot Asphalt	-217.5
ELEVATE ULTRAPLY TPO XR / JET BOND SPRAY ADHESIVE SYSTEMS:							
R-47	Existing asphaltic BUR or existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	XR-JBSA	-172.5
R-48	Existing asphaltic BUR or existing granule surface modified bitumen	(Optional) Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 19/32-inch plywood or min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	XR-JBSA	-172.5



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

^A The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.3). 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) and (4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf) ^A
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
R-49	Existing asphaltic BUR or existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	XR-JBSA	-45.0
R-50	Existing asphaltic BUR or existing granule surface modified bitumen	(Optional) Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, or min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, SPATTER	XR-JBSA	-45.0
R-51	Existing asphaltic BUR or existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	XR-JBSA	-172.5
R-52	Existing asphaltic BUR or existing granule surface modified bitumen	(Optional) Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 19/32-inch plywood or min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON	XR-JBSA	-172.5
ELEVATE ULTRAPLY TPO XR / I.S.O. SPRAY R OR XR STICK MEMBRANE ADHESIVE SYSTEMS:							
R-53	Existing asphaltic BUR	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	None	N/A	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-45.0
R-54	Existing granule surface modified bitumen	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R, 6-inch o.c.	None	N/A	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-82.5
R-55	Existing granule surface modified bitumen	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-142.5
R-56	Existing granule surface modified bitumen	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-172.5
R-57	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0



TABLE 7A: RECOVER APPLICATIONS

SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

^A The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.3). 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) and (4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf) ^A
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
R-58	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-82.5
R-59	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-172.5
R-60	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG 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	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0
R-61	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG 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	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-60.0
R-62	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG 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	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-172.5
R-63	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 19/32-inch plywood	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0
R-64	Existing asphaltic BUR	Min. 1-inch ISOGARD GL	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	(Optional) Min. 0.5-inch Elevate ISOGARD HD or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 19/32-inch plywood	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-172.5
R-65	Existing asphaltic BUR	Min. 0.5-inch Elevate ISOGARD HD or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	None	N/A	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-172.5



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

^A The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.3). 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) and (4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf) ^A
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
R-66	Existing asphaltic BUR	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, SPATTER or RIBBON	None	N/A	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-45.0
R-67	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER or RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, SPATTER or RIBBON	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0
R-68	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER or RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG 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	Twin Jet Y, SPATTER or RIBBON	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 12) or XR Stick (RIBBON, 12)	-45.0
R-69	Existing granule surface modified bitumen	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-45.0
R-70	Existing granule surface modified bitumen	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-45.0
R-71	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-45.0
R-72	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-45.0
R-73	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG 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	Twin Jet Y, SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-45.0
R-74	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG 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	Twin Jet Y, SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-45.0



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

^A The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.3). 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) and (4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf) ^A
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
R-75	Existing asphaltic BUR	Min. 1-inch ISOGARD GL	Twin Jet Y, SPATTER	(Optional) Min. 0.5-inch Elevate ISOGARD HD or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-45.0
R-76	Existing asphaltic BUR	Min. 0.5-inch Elevate ISOGARD HD or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, SPATTER	None	N/A	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-45.0
R-77	Existing granule surface modified bitumen	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-142.5
R-78	Existing granule surface modified bitumen	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-172.5
R-79	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-82.5
R-80	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-172.5
R-81	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG 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	Twin Jet Y, RIBBON	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-60.0
R-82	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG 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	Twin Jet Y, RIBBON	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-172.5
R-83	Existing asphaltic BUR	Min. 1-inch ISOGARD GL	Twin Jet Y, RIBBON	(Optional) Min. 0.5-inch Elevate ISOGARD HD or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-172.5



TABLE 7A: RECOVER APPLICATIONS

SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

^A The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.3). 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) and (4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf) ^A
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
R-84	Existing asphaltic BUR	Min. 0.5-inch Elevate ISOGARD HD or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	None	N/A	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / I.S.O. Spray R (RIBBON, 4) or XR Stick (RIBBON, 4)	-172.5
ELEVATE ULTRAPLY TPO XR / TWIN JET SYSTEMS:							
R-85	Existing asphaltic BUR	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	None	N/A	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-45.0
R-86	Existing granule surface modified bitumen	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R, 6-inch o.c.	None	N/A	XR-TJ or XR-TJY (RIBBON, 6 or SPATTER)	-82.5
R-87	Existing granule surface modified bitumen	Min. 1.5-inch ISOGARD GL	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	XR-TJ or XR-TJY (RIBBON, 6)	-127.5
R-88	Existing granule surface modified bitumen	Min. 1.5-inch ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	XR-TJ or XR-TJY (RIBBON, 6)	-142.5
R-89	Existing granule surface modified bitumen	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-172.5
R-90	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	XR-TJ or XR-TJY (RIBBON, 6)	-82.5
R-91	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-172.5



TABLE 7A: RECOVER APPLICATIONS

SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

^A The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.3). 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) and (4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf) ^A
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
R-92	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	XR-TJ or XR-TJY (RIBBON, 12)	-45.0
R-93	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	XR-TJ or XR-TJY (RIBBON, 6)	-60.0
R-94	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-172.5
R-95	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 19/32-inch plywood	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	XR-TJ or XR-TJY (RIBBON, 6)	-45.0
R-96	Existing asphaltic BUR	Min. 1-inch ISOGARD GL	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	(Optional) Min. 0.5-inch Elevate ISOGARD HD or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 19/32-inch plywood	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-172.5
R-97	Existing asphaltic BUR	Min. 0.5-inch Elevate ISOGARD HD or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	None	N/A	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-172.5
R-98	Existing asphaltic BUR	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, SPATTER or RIBBON	None	N/A	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-45.0
R-99	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER or RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, SPATTER or RIBBON	XR-TJ or XR-TJY (RIBBON, 12)	-45.0
R-100	Existing granule surface modified bitumen	Min. 1.5-inch ISOGARD GL	Twin Jet Y, SPATTER	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL	Twin Jet Y, SPATTER	XR-TJ or XR-TJY (RIBBON, 6)	-45.0



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

^A The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.3). 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) and (4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf) ^A
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
R-101	Existing granule surface modified bitumen	Min. 1.5-inch ISOGARD CG	Twin Jet Y, SPATTER	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD CG	Twin Jet Y, SPATTER	XR-TJ or XR-TJY (RIBBON, 6)	-45.0
R-102	Existing granule surface modified bitumen	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-45.0
R-103	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, SPATTER	XR-TJ or XR-TJY (RIBBON, 6)	-45.0
R-104	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, SPATTER	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-45.0
R-105	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, SPATTER	XR-TJ or XR-TJY (RIBBON, 6)	-45.0
R-106	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, SPATTER	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-45.0
R-107	Existing asphaltic BUR	Min. 1-inch ISOGARD GL	Twin Jet Y, SPATTER	(Optional) Min. 0.5-inch Elevate ISOGARD HD or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, SPATTER	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-45.0
R-108	Existing asphaltic BUR	Min. 0.5-inch Elevate ISOGARD HD or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, SPATTER	None	N/A	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-45.0
R-109	Existing granule surface modified bitumen	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL	Twin Jet Y, RIBBON	XR-TJ or XR-TJY (RIBBON, 6)	-127.5
R-110	Existing granule surface modified bitumen	Min. 1.5-inch ISOGARD CG	Twin Jet Y, RIBBON	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD CG	Twin Jet Y, RIBBON	XR-TJ or XR-TJY (RIBBON, 6)	-142.5



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

^A The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.3). 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) and (4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf) ^A
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
R-111	Existing granule surface modified bitumen	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-172.5
R-112	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON	XR-TJ or XR-TJY (RIBBON, 6)	-82.5
R-113	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-172.5
R-114	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	XR-TJ or XR-TJY (RIBBON, 6)	-60.0
R-115	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-172.5
R-116	Existing asphaltic BUR	Min. 1-inch ISOGARD GL	Twin Jet Y, RIBBON	(Optional) Min. 0.5-inch Elevate ISOGARD HD or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-172.5
R-117	Existing asphaltic BUR	Min. 0.5-inch Elevate ISOGARD HD or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	None	N/A	XR-TJ or XR-TJY (RIBBON, 4 or SPATTER)	-172.5
ELEVATE ULTRAPLY TPO XR / XR BONDING ADHESIVE SYSTEMS:							
R-118	Existing granule-surfaced, asphaltic modified bitumen	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	None	N/A	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-300.0



TABLE 7A: RECOVER APPLICATIONS

SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

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System No.	Substrate (4.1.2) and (4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf) ^A
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
R-119	Existing granule surface modified bitumen	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-112.5
R-120	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-262.5
R-121	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GLISOGARD GL or Tapered ISOGARD CG; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-262.5
R-122	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-195.0
R-123	Existing asphaltic BUR	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GLISOGARD GL or Tapered ISOGARD CG; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-60.0
R-124	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-352.5
R-125	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-300.0
R-126	Existing asphaltic BUR	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, 6-inch o.c.	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GLISOGARD GL or Tapered ISOGARD CG; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, 6-inch o.c.	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-255.0
R-127	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GLISOGARD GL or Tapered ISOGARD CG; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-202.5



TABLE 7A: RECOVER APPLICATIONS

SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

^A The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.3). 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) and (4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf) ^A
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
R-128	Existing granule surface modified bitumen	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-45.0
R-129	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-45.0
R-130	Existing asphaltic BUR	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board	Twin Jet Y, SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-45.0
R-131	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD, min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board	Twin Jet Y, SPATTER	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-45.0
R-132	Existing granule surface modified bitumen	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-112.5
R-133	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-195.0
R-134	Existing asphaltic BUR	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-60.0
R-135	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Elevate ISOGARD HD, min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135 / XR-BA	-217.5
ELEVATE ULTRAPLY TPO SA SYSTEMS:							
R-136	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISOGARD GL	Hot Asphalt	(Optional) Tapered ISOGARD GL	Hot asphalt	SA	-180.0



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System No.	Substrate (4.1.2) and (4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf) ^A
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
R-137	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISOGARD GL with optional Tapered ISOGARD GL	Hot Asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	SA	-195.0
R-138	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	SA	-157.5
R-139	Existing asphaltic BUR or granule surface modified bitumen	(Optional) Min. 1.5-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	SA	-157.5
R-140	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack	SA	-262.5
R-141	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	SA	-262.5
R-142	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	SA	-247.5
R-143	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	SA	-262.5
R-144	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISOGARD GL	Polysset CRA	(Optional) Additional layers base insulation	Polysset CRA	SA	-262.5
R-145	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISOGARD GL	Polysset CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polysset CRA	SA	-240.0
R-146	Existing asphaltic BUR	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	I.S.O. Stick or Twin Jet	SA	-60.0



TABLE 7A: RECOVER APPLICATIONS

SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

^A The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.3). 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) and (4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf) ^A
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
R-147	Existing granule surface modified bitumen	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	(Optional) Additional layers of base insulation	I.S.O. Stick or Twin Jet	SA	-120.0
R-148	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.5-inch Elevate ISOGARD HD	I.S.O. Stick or Twin Jet	SA	-60.0
R-149	Existing asphaltic BUR	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet	SA	-60.0
R-150	Existing granule surface modified bitumen	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet	SA	-120.0
R-151	Existing asphaltic BUR	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	Twin Jet Y, SPATTER	SA	-45.0
R-152	Existing granule surface modified bitumen	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	(Optional) Additional layers of base insulation	Twin Jet Y, SPATTER	SA	-45.0
R-153	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, SPATTER	SA	-45.0
R-154	Existing asphaltic BUR	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, SPATTER	SA	-45.0
R-155	Existing granule surface modified bitumen	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, SPATTER	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, SPATTER	SA	-45.0
R-156	Existing asphaltic BUR	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	Twin Jet Y, RIBBON	SA	-60.0



TABLE 7A: RECOVER APPLICATIONS

SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

^A The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.3). 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) and (4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf) ^A
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
R-157	Existing granule surface modified bitumen	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	(Optional) Additional layers of base insulation	Twin Jet Y, RIBBON	SA	-120.0
R-158	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y, RIBBON	SA	-60.0
R-159	Existing asphaltic BUR	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	SA	-60.0
R-160	Existing granule surface modified bitumen	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet Y, RIBBON	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	SA	-120.0

TABLE 7B: STEEL - RECOVER

SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER

Note: All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin.

System No.	Substrate (4.1.2)	Insulation Layer	Attach		Roof Cover (3.1.4B)	MDP (psf)
			Fasten (4.2.3)	Spacing		
R-161	Existing standing seam or lap seam metal roof covers having min. 16 gauge grade 50 steel purlins spaced max. 60-inch o.c.	One or more layers, any combination, prelim. attached (3.1.2)	Elevate Purlin Fastener or Elevate Retro Driller and Elevate UltraPly TPO InvisiWeld Plate are fastened through to purlins	18-inch o.c. along purlins	Elevate UltraPly TPO or UltraPly TPO Platinum induction welded to Elevate UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-30.0 (NO HVHZ)
R-162	Existing standing seam or lap seam metal roof covers having min. 16 gauge grade 50 steel purlins spaced max. 60-inch o.c.	One or more layers, any combination, prelim. attached (3.1.2)	Elevate Purlin Fastener or Elevate Retro Driller and Elevate UltraPly TPO InvisiWeld Plate are fastened through to purlins	12-inch o.c. along purlins	Elevate UltraPly TPO or UltraPly TPO Platinum induction welded to Elevate UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-45.0
R-163	Existing standing seam or lap seam metal roof covers having min. 16 gauge grade 50 steel purlins spaced max. 120-inch o.c.	One or more layers, any combination, prelim. attached (3.1.2)	Elevate Purlin Fastener or Elevate Retro Driller and Elevate UltraPly TPO InvisiWeld Plate are fastened through to purlins	6-inch o.c. along purlins	Elevate UltraPly TPO or UltraPly TPO Platinum induction welded to Elevate UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-52.5



TABLE 7b: STEEL - RECOVER

SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER

Note: All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin.

System No.	Substrate (4.1.2)	Insulation Layer	Attach		Roof Cover (3.1.4B)	MDP (psf)
			Fasten (4.2.3)	Spacing		
R-164	Existing standing seam or lap seam metal roof covers having min. 16 gauge grade 50 steel purlins spaced max. 60-inch o.c.	One or more layers, any combination, prelim. attached (3.1.2)	Elevate Purlin Fastener or Elevate Retro Driller and Elevate UltraPly TPO InvisiWeld Plate are fastened through to purlins	6-inch o.c. along purlins	Elevate UltraPly TPO or UltraPly TPO Platinum induction welded to Elevate UltraPly TPO InvisiWeld Plate with RhinoBond Tool in accordance with manufacturer's instructions.	-82.5

TABLE 7c: STEEL - RECOVER

SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER

Note: All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin.

System No.	Substrate (4.1.2)	Insulation		Roof Cover (3.1.4A)			MDP (psf)
		Type	Attach (3.1.2)	Membrane	Fastener (4.2.3)	Attach	
R-165	Existing standing seam or lap seam metal roof covers having min. 16 gauge grade 50 steel purlins spaced max. 72-inch o.c.	One or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate Purlin Fastener and Elevate HD Seam Plate	18-inch o.c. within 6-inch wide laps spaced max. 72-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-30.0 (NO HVHZ)
R-166	Existing standing seam or lap seam metal roof covers having min. 16 gauge grade 50 steel purlins spaced max. 114-inch o.c.	One or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate Purlin Fastener and Elevate HD Seam Plate	12-inch o.c. within 6-inch wide laps spaced max. 114-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-30.0 (NO HVHZ)
R-167	Existing standing seam or lap seam metal roof covers having min. 16 gauge grade 50 steel purlins spaced max. 142-inch o.c.	One or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate Purlin Fastener and Elevate Coiled Metal Batten Strips	12-inch o.c. within 6-inch wide laps spaced max. 142-inch o.c. to engage steel purlin. Laps sealed with 5-inch heat weld that encapsulates the batten and fasteners or are primed with Elevate UltraPly TPO QuickPrime and sealed with Elevate UltraPly TPO QuickSeam Flashing.	-30.0 (NO HVHZ)
R-168	Existing standing seam or lap seam metal roof covers having min. 16 gauge grade 50 steel purlins spaced max. 90-inch o.c.	One or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate Purlin Fastener and Elevate HD Seam Plate	12-inch o.c. within 6-inch wide laps spaced max. 90-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-45.0
R-169	Existing standing seam or lap seam metal roof covers having min. 16 gauge grade 50 steel purlins spaced max. 142-inch o.c.	One or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate Purlin Fastener and Elevate HD Seam Plate	6-inch o.c. within 6-inch wide laps spaced max. 142-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-52.5



TABLE 7D: STEEL - RECOVER

SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (RMA STRIPS)

Note: All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin.

System No.	Substrate (4.1.2)	Insulation		Roof Cover (3.1.4A)			MDP (psf)
		Type	Attach (3.1.2)	Membrane	Fasten (4.2.3)	Attach	
R-170	Existing standing seam or lap seam metal roof covers having min. 16 gauge grade 50 steel purlins spaced max. 10-ft o.c.	One or more layers, any combination	prelim. attached	Elevate UltraPly TPO or UltraPly TPO Platinum	Elevate Purlin Fastener and Elevate Coiled Metal Batten Strip	Elevate UltraPly QuickSeam R.M.A. Strips are applied over the insulation spaced 120-inch o.c. positioned over each steel purlin location. The batten is centered over each strip and fastened into the purlins 6-inch o.c. Roof cover adhered to each strip by first priming the membrane underside with Elevate UltraPly TPO QuickPrime at the strip location, then rolling into place with a hand roller. The min. 2-inch side laps are sealed with a min. 1.5-inch outside heat weld.	-45.0

TABLE 7E: RECOVER APPLICATIONS

SYSTEM TYPE E-1: NON-INSULATED, MECHANICALLY ATTACHED ROOF COVER

System No.	Substrate (4.1.2)	Roof Cover			MDP (psf)
		Membrane	Fasten (4.2.3)	Attach	
R-171	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135	Elevate HD Fastener with Elevate HD Seam Plate	12-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-30.0 (NO HVHZ)
R-172	Min. 22 ga., type B, Grade 80 steel	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135	Elevate HD Plus Fastener with Elevate HD Plus Seam Plate	12-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0
R-173	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135	Elevate HD Fastener with Elevate HD Seam Plate	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0
R-174	Min. 22 ga., type B, Grade 80 steel	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135	Elevate HD Plus Fastener with Elevate HD Plus Seam Plate	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-67.5

TABLE 7F: 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 4.2.3). 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) and (4.2.3)	Primer	Roof Cover (3.1.4)		MDP (psf) ^A
			Type	Application	
R-175	Existing fully-adhered, granule-surfaced, modified bitumen roof cover	None	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135	Twin Jet (RIBBON, 4 or SPATTER)	-142.5
R-176	Existing fully-adhered, granule-surfaced, modified bitumen roof cover	None	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135	I.S.O. Spray R (RIBBON, 6) or XR Stick (RIBBON, 6)	-142.5



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**TABLE 7F: 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 4.2.3). 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) and (4.2.3)	Primer	Roof Cover (3.1.4)		MDP (psf) ^A
			Type	Application	
R-177	Existing fully-adhered, asphaltic built-up roof cover	None	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135	Twin Jet (RIBBON, 4 or SPATTER)	-232.0
R-178	Existing fully-adhered, asphaltic built-up roof cover	None	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135	XR Stick (RIBBON, 4)	-315.0
R-179	Existing fully-adhered, asphaltic built-up roof cover or existing, fully-adhered, granule-surfaced modified bitumen roof cover	None	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135	I.S.O. Spray R (RIBBON, 4)	-360.0
R-180	Existing fully-adhered, asphaltic built-up roof cover or existing, fully-adhered, granule-surfaced modified bitumen roof cover	None	Elevate UltraPly TPO XR 100, TPO XR 115 or TPO XR 135	Hot asphalt	-495.0