



NEMO EVALUATIONS REPORT

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Amrize Building Envelope LLC (Elevate)

FL984-R17

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NEMO EVALUATION REPORT (NER)



Amrize Building Envelope LLC

26 Century Blvd
Nashville, TN 37214
(317) 572-4100

SUBJECT: Elevate Modified Bitumen Roof Systems

SCOPE: This NEMO Evaluation Report (henceforth 'NER') is issued under F.A.C. [Rule 61G20-3](#) and the applicable rules and regulations governing Product Approval of construction materials in the State of Florida and ISO/IEC 17065 via [NEMO|cert.](#) NEMO Evaluations has evaluated the product described herein for compliance with the [Code sections noted herein](#).

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

FBC JURISDICTION: Non-HVHZ and HVHZ

CATEGORY: **FBC:** Roofing **NEMO:** Modified Bitumen

SUB-CATEGORY: **FBC:** Modified Bitumen Roof Systems

CSI DIVISION: 07 00 00 Thermal and Moisture Protection
07 52 00 Modified Bituminous Sheet Roofing

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

COMPLIANCE STATEMENT: **Elevate Modified Bitumen 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
	1507.2.4	Material standard	ASTM D1970
	1507.10.2	Material standard	ASTM D2178, D4601, D4897
	1507.11.2	Material standard	ASTM D6162, D6163, D6164, D6222, D6509
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, D4601, D4897
	1507.11.2	Material standard	ASTM D6162, D6163, D6164, D6222, D6509
2021 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, D4601, D4897
	1507.11.2	Material standard	ASTM D6162, D6163, D6164, D6222, D6509
2023 Florida Building Code, 8 th Edition	1504.3.1	Wind resistance	FM 4474 or UL1897
	1504.6	Physical Properties	ASTM G155
	1504.7	Impact resistance	FM 4470
	1505.1, 1516.1	Fire Classification	UL 790
	1507.6.3, TAS 110	Material standard	ASTM D1970
	1507.10.2, TAS 110	Material standard	ASTM D2178, D4601, D4897
2022 California Building Code	1507.11.2, TAS 110	Material standard	ASTM D6163, D6164, D6222, D6509
	TAS 110	Resistance to Foot Traffic	TAS 114, Section 8.9
	TAS 110	Wind resistance	TAS 114, Appendix C, D or J
	TAS 110	Susceptibility to Hail Damage	TAS 114, Appendix F
	TAS 110	Susceptibility to Leakage	TAS 114, Appendix G
	Div. 5, Section 98.0501	Evaluation Reports	
2022 California Building Code	1504.4.1	Wind resistance	FM 4474 or UL1897
	1504.7	Physical Properties	ASTM G155
	1504.8	Impact resistance	FM 4470
	1505.1	Fire Classification	UL 790
	1507.10.2	Material standard	ASTM D4601
	1507.10.2, 1507.11.2.1	Material standard	ASTM D2178, D4601, D4897
	1507.11.2	Material standard	ASTM D6162, D6163, D6164, D6222, D6509



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2. PRODUCTS:

TABLE 1A: EVALUATED ELEVATE COMPONENTS (NEMO Certified. Consult Directory of Certified Products for production location(s))				
TYPE	ELEVATE PRODUCT	MATERIAL STANDARD		
		REFERENCE	TYPE	GRADE
BASE SHEETS:	BASEGARD SA	ASTM D4601	II	N/A
	MB BASE	ASTM D4601	II	N/A
PLY SHEETS:	Ply IV	ASTM D2178	IV	N/A
	Ply VI	ASTM D2178	VI	N/A
APP, SMOOTH-SURFACE MEMBRANES:	APP 80 Glass Base	ASTM D6509	N/A	N/A
	APP Premium Base	ASTM D6509	N/A	N/A
	APP 160	ASTM D6222	I	S
	APP 170	ASTM D6222	I	S
	APP 170 COOL	ASTM D6222	I	S
APP, GRANULE-SURFACE MEMBRANES:	APP 180	ASTM D6222	I	G
	APP 180 UltraWhite	ASTM D6222	I	G
	APP 180 COOL	ASTM D6222	I	G
	APP 180 FR	ASTM D6222	I	G
	APP 180 FR UltraWhite	ASTM D6222	I	G
	APP 180 FR COOL	ASTM D6222	I	G
SBS, SMOOTH-SURFACE MEMBRANES:	SBS Base	ASTM D6163	I	S
	SBS Premium Base	ASTM D6163	I	S
	SBS PolyBase	ASTM D6164	I	S
	SBS Premium Poly Base	ASTM D6164	II	S
	SBS Poly Torch Base	ASTM D6164	I	S
SBS, GRANULE-SURFACE MEMBRANES:	SBS Glass	ASTM D6163	I	G
	SBS Glass FR	ASTM D6163	I	G
	SBS Glass FR UltraWhite	ASTM D6163	I	G
	SBS Glass FR Torch	ASTM D6163	I	G
	SBS Glass FR Torch UltraWhite	ASTM D6163	I	G
	SBS Premium	ASTM D6164	I	G
	SBS Premium SRG	ASTM D6164	I	G
	SBS Premium FR	ASTM D6164	I	G
	SBS Premium FR SRG	ASTM D6164	I	G
	SBS Premium FR UltraWhite	ASTM D6164	I	G
	SBS Premium Torch	ASTM D6164	I	G
	SBS Premium Torch SRG	ASTM D6164	I	G
	SBS Premium Torch UltraWhite	ASTM D6164	I	G
	SBS Premium FR Torch	ASTM D6164	I	G
	SBS Premium FR Torch SRG	ASTM D6164	I	G
SBS Premium FR Torch UltraWhite	ASTM D6164	I	G	



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TABLE 1B: EVALUATED ELEVATE ACCESSORIES (Contact contact@nemocert.com for production location(s) of non-Certified products)		
TYPE	PRODUCT	MATERIAL STANDARD
BASE SHEETS:	Channel Venting Base	ASTM D4897
	Venting Base Sheet	ASTM D4897
APP, SMOOTH-SURFACE MEMBRANES:	APP 80 Glass Base COOL	ASTM D6509
	APP 160 COOL	ASTM D6222
APP, GRANULE-SURFACE MEMBRANES:	APP 180 FR COOL UltraWhite	ASTM D6222
SBS, SMOOTH-SURFACE MEMBRANES:	SBS Base	ASTM D6163
	SBS Glass Torch Base	ASTM D6163
	SBS Glass Torch Base 1.5	ASTM D6163
	SBS Smooth	ASTM D6164
SBS, GRANULE-SURFACE MEMBRANES:	SBS Glass UltraWhite	ASTM D6163
	SBS Cap	ASTM D6164
	SBS Cap UltraWhite	ASTM D6164
	SBS FR Cap	ASTM D6164
	SBS Premium UltraWhite	ASTM D6164
	SBS Torch	ASTM D6164
	SBS Torch UltraWhite	ASTM D6164
	SBS FR Torch	ASTM D6164
SBS FR Torch UltraWhite	ASTM D6164	
VAPOR BARRIER:	V-Force	N/A
MECHANICAL FASTENERS:	Elevate All-Purpose Fastener	N/A
	Elevate Heavy-Duty Fastener	N/A
	Elevate Concrete Drive Fastener	N/A
	Elevate Insulation Fastening Plate	N/A
PRIMER:	Elevate SA Primer	N/A
	V-Force SB Primer	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	HOLCIM PRODUCT	ACCEPTABLE ALTERNATE	FBC	NOA
ADHESIVES:	I.S.O. Twin Pack Insulation Adhesive	Millennium One Step Foamable Adhesive	FL1800	24-0130.01
	I.S.O. Spray R	Millennium PG-1 Low Viscosity Insulation Adhesive	FL1365	21-1115.05
	Elevate Twin Jet Y	Polyset Commercial Roofing Adhesive		
	Elevate Twin Jet	OlyBond 500 Canister	FL1608	24-0422.18
	I.S.O. Stick	OlyBond 500 Adhesive Fastener	N/A	23-0725.03
	LiquiGard Adhesive	CIM 162 Roofing Adhesive		
INSULATIONS:	ISOGARD GL	ISO 95+ GL / GenFlex ISO Insulation	N/A	23-0613.13
	ISOGARD CG	RESISTA / GenFlex Coated Glass Facer		
	ISOGARD HD	GenFlex HD ISO		
	ISOGARD HD Composite	GenFlex HD Composite ISO	N/A	N/A
	ISOGARD HG	Elevate HailGard	N/A	23-0613.13
	N/A	DensDeck Prime / DensDeck StormX Prime Roof Board	FL1250	22-1223.04



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3. INSTALLATION:

3.1 **Elevate Modified Bitumen Roof Systems** shall be installed in accordance with **Holcim Solutions and Products US, 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.

TABLE 3: FASTENER REFERENCES		
ROOF DECK	PARTS	FASTENER ENGAGEMENT
WOOD, ENGINEERED SHEATHING OR PLANK	Elevate All-Purpose or Heavy-Duty Fastener with Elevate Insulation Fastening Plate	Min. 0.75-inch penetration (engineered sheathing) or min. 1-inch embedment (plank)
STEEL	Elevate All-Purpose or Heavy-Duty Fastener with Elevate Insulation Fastening Plate	Min. 0.75-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, CBC, or FBC 1505, FBC R902 or FBC HVHZ 1516 and, for foam plastic, IBC, CBC, or 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, FBC R902 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.



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(d) **Florida Specific:** Lightweight insulating concrete (LWIC) shall be cast in accordance with FBC 1917 to the satisfaction of the Authority Having Jurisdiction. For systems where specific LWIC is referenced, refer to current LWIC [Florida Product Approval](#) or [NOA](#) for specific deck construction and limitations. Unless otherwise noted, for systems where specific LWIC is not referenced, the minimum design mix shall be 300 psi. In all cases, the minimum top-coat thickness is 2-inches. For LWIC over structural concrete, reference is made to FBC 1917.4.1, Point 1. For “pre-existent” LWIC references, listings were established through testing over lightweight concrete cast using only foaming agent (ASTM C896), water and Portland cement (ASTM C150), with no proprietary additives, in accordance with procedures adopted by Miami-Dade BCCO (FBC CER1592). Use of these listings in new construction or re-roof (tear-off) applications is at the discretion of the Designer or Record and Authority Having Jurisdiction.

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

TABLE 4A: INSULATION ATTACHMENT PATTERNS – 4x4 FT BOARDS			
1 per 4.0 ft ² (4 per board)	1 per 3.2 ft ² (5 per board)	1 per 2.7 ft ² (6 per board)	1 per 2.0 ft ² (8 per board)
1 per 1.8 ft ² (9 per board)	1 per 1.6 ft ² (10 per board)	1 per 1.3 ft ² (12 per board)	1 per 1.0 ft ² (16 per board)



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TABLE 4B: INSULATION ATTACHMENT PATTERNS – 4x8 FT BOARDS

1 per 4.0 ft ² (8 per board)	1 per 3.6 ft ² (9 per board)	1 per 2.7 ft ² (12 per board)	1 per 2.3 ft ² (14 per board)
1 per 2.1 ft ² (15 per board)	1 per 2.0 ft ² (16 per board)	1 per 1.8 ft ² (18 per board)	1 per 1.6 ft ² (20 per board)
1 per 1.5 ft ² (22 per board)	1 per 1.3 ft ² (24 per board)	1 per 1.0 ft ² (32 per board)	



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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.

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. When applied to profiled steel roof deck, ribbons shall be applied to the top-flange so as to establish positive-contact with the overlying insulation board.

TABLE 5A: INSULATION ADHESIVE REFERENCES			
ADHESIVE	REFERENCE	MINIMUM RATE	NOTE
I.S.O. Spray R	N/A	Continuous 0.5 to 0.75-inch wide ribbons, 12-inch o.c.	
I.S.O. Stick	N/A	Continuous 0.75 to 1-inch wide ribbons, 12-inch o.c.	
I.S.O. Twin Pack	N/A	Continuous 0.5 to 0.75-inch wide ribbons, 12-inch o.c.	
LiquiGard Adhesive	N/A	Continuous 0.75 to 1-inch wide ribbons, 12-inch o.c.	
Twin Jet	N/A	Continuous 0.75-inch wide ribbons, 12-inch o.c.	Twin Jet may be used where I.S.O. Stick is referenced herein for insulation securement
Twin Jet Y	N/A	RIBBON: Continuous 1.0-inch to 2.5-inch ribbons, 12-inch o.c. SPATTER: 2.85 lbs/square	
Polyset Commercial Roof Adhesive	Polyset CRA	Continuous 2.5-3.5-inch wide ribbons, 12-inch o.c.	Formerly Polyset CR-20
ASTM D312, Type IV hot asphalt	N/A	Full coverage at 25-30 lbs/square	If applying hot asphalt to concrete deck, deck shall be primed with ASTM D41 primer

- (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 in the tables; rather if MDP listing below meets or exceeds that listed for a particular system in the tables, then the thinner board listed below may be used as a drop-in for the equivalent thicker material listed in the selected assembly.

TABLE 5B: 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		0.5	-187.5
I.S.O. Twin Pack		0.5	-157.5
Polyset CRA		1.0	-117.5
Hot asphalt		0.5	-120.0
I.S.O. FIX II, I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack, 12-inch o.c.		ISOGARD CG	0.5
I.S.O. FIX II, I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack, 6-inch o.c.	0.5		-405.0



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(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.

3.1.4 Roof Covers:

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

TABLE 6A: MEMBRANE / ADHESIVE COMBINATIONS			
REFERENCE	LAYER	MATERIAL	APPLICATION
BP-CA	Base Ply:	MB Base	Elevate Multi-Purpose MB Cold Adhesive at 1.5 - 2.0 gal/square
	Cap Ply:	Ply VI	
SBS-CA	Base Ply or Ply:	SBS Base, SBS PolyBase, SBS Premium Base, SBS Premium Poly Base	
	Cap Ply:	SBS Cap, SBS Cap UltraWhite, SBS FR Cap, SBS Smooth, SBS Premium, SBS Premium SRG, SBS Premium UltraWhite, SBS Premium FR, SBS Premium FR SRG, SBS Premium FR UltraWhite, SBS Glass, SBS Glass UltraWhite, SBS Glass FR, SBS Glass FR UltraWhite	
APP-CA	Base Ply:	APP 80 Glass Base, APP 160 COOL, APP 170 COOL, APP Premium Base	
	Cap Ply:	APP 160 COOL, APP 170 COOL, APP 180 COOL, APP 180 FR COOL, APP 180 FR COOL UltraWhite	
BP-CA2	Base Ply:	MB Base	Elevate LiquiGard Membrane Adhesive at 1.5 - 2.0 gal/square
	Ply:	Ply VI	
SBS-CA2	Base Ply or Ply:	SBS Base, SBS PolyBase, SBS Premium Base, SBS Premium Poly Base	
	Cap Ply:	SBS Cap, SBS Cap UltraWhite, SBS FR Cap, SBS Smooth, SBS Premium, SBS Premium SRG, SBS Premium UltraWhite, SBS Premium FR, SBS Premium FR SRG, SBS Premium FR UltraWhite, SBS Glass, SBS Glass UltraWhite, SBS Glass FR, SBS Glass FR UltraWhite	
BP-AA	Base Ply:	MB Base, Ply IV, Ply VI	Hot asphalt at 20-40 lbs/square
	Ply:	Ply IV, Ply VI	
SBS-AA	Base Ply:	SBS Base, SBS PolyBase, SBS Premium Base, SBS Premium Poly Base, SBS Smooth	
	Cap Ply:	SBS Cap, SBS Cap UltraWhite, SBS FR Cap, SBS Smooth, SBS Premium, SBS Premium SRG, SBS Premium UltraWhite, SBS Premium FR, SBS Premium FR SRG, SBS Premium FR UltraWhite, SBS Glass, SBS Glass UltraWhite, SBS Glass FR, SBS Glass FR UltraWhite	
SBS-TA	Base Ply:	SBS Poly Torch Base, SBS Glass Torch Base, SBS Glass Torch Base 1.5, SBS Smooth	Torch-Applied
	Cap Ply:	SBS Glass FR Torch, SBS Glass FR Torch UltraWhite, SBS Torch, SBS Torch UltraWhite, SBS FR Torch, SBS FR Torch UltraWhite, SBS Smooth, SBS Premium Torch, SBS Premium Torch SRG, SBS Premium Torch UltraWhite, SBS Premium FR Torch, SBS Premium FR Torch SRG, SBS Premium FR Torch UltraWhite	
APP-TA	Base Ply:	APP 80 Glass Base, APP 160, APP 170, APP Premium Base	
	Ply:	APP 160, APP 170, APP Premium Base	
	Cap Ply:	APP 160, APP 170, APP 180, APP 180 UltraWhite, APP 180 FR, APP 180 FR UltraWhite	
SBS-SA	Base Ply:	BASEGARD SA (see specific listings)	Self-Adhering



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- (b) The following Cap Ply membrane may be installed over sand-surfaced SBS-AA or SBS-TA Base Ply or Ply membranes within asphalt-applied and torch-applied systems noted herein, in which case the following Maximum Design Pressure (MDP) limitations apply. In no case shall the substitution and the associated limitation be used to 'increase' the MDP listing in the table; rather if the particular system is less than or equal to the noted cold-applied Cap Ply limitation, then the substitution is permitted.

TABLE 6B: MEMBRANE / ADHESIVE COMBINATIONS				
DECK TYPE	SYSTEM TYPE	LISTED CAP PLY (3.1.4A)	ALTERNATE COLD-APPLIED CAP PLY MEMBRANE	MDP (psf)
Wood, Steel, Structural Concrete, LWC, CWF, Gypsum or Recover	B-1, B-3, B-2, C-1, D-2 or E-2	SBS-AA or SBS-TA	SBS-CA: SBS Cap, SBS Cap UltraWhite, SBS FR Cap, SBS Smooth, SBS Premium, SBS Premium SRG, SBS Premium UltraWhite, SBS Premium FR, SBS Premium FR SRG or SBS Premium FR UltraWhite	-127.5
Structural Concrete, LWC (over structural concrete), Gypsum or Recover (over structural concrete)	A-1 or F	SBS-AA or SBS-TA	SBS-CA: SBS Cap, SBS Cap UltraWhite, SBS FR Cap, SBS Smooth, SBS Premium, SBS Premium SRG, SBS Premium UltraWhite, SBS Premium FR, SBS Premium FR SRG, SBS Premium FR UltraWhite, SBS Glass, SBS Glass UltraWhite, SBS Glass FR or SBS Glass FR UltraWhite	-180.0
Structural Concrete, LWC (over structural concrete), Gypsum or Recover (structural over concrete)	A-1 or F	SBS-AA, SBS-TA or APP-TA	APP-CA: APP 160 COOL, APP 170 COOL, APP 180 COOL, APP 180 FR COOL or APP 180 FR COOL UltraWhite	-225.0

3.1.5 Vapor Barriers:

- (a) For System Types B-1, B-2, C-1, C-2, D-1 or D-2, an optional thermal barrier and/or vapor barrier membrane may be installed atop the roof deck prior to installation of the insulation and roof cover. Refer to [FM Loss Prevention Data Sheet](#) 1-29 for design and installation recommendations and limitations.
- (b) Refer to [Section 4.3](#) herein for options where the vapor barrier forms part of the load path.

4. LIMITATIONS OF USE:

4.1 General:

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

4.1.2 Roof Decks:

- (a) This NER pertains to above-deck roof components. Roof decks and structural members shall be in accordance with applicable Code requirements to the satisfaction of the Authority Having Jurisdiction.
- (b) OSB sheathing is not permitted in FBC HVHZ jurisdictions.
- (d) Unless otherwise noted, reference to 'structural concrete' pertains to min. 2,500 psi structural concrete, and excludes 'structural lightweight concrete'.
- (e) **FBC HVHZ Specific:** The table below lists various 'as-tested' deck conditions in accordance with [Testing Application Standard](#) TAS 114(J). In no case shall these values be used to 'increase' the MDP listings for the selected systems; the lesser MDP applies.



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TABLE 7: AS-TESTED DECK ATTACHMENT DETAILS (TAS 114, APPENDIX J)				
TYPE	AS TESTED SUB-ASSEMBLY			
	SPAN (INCH O.C.)	FASTENER	SPACING (INCH O.C.)	MDP (psf)
15/32-inch APA rated CDX plywood	24	#8 wood screws	6	-75.0
	24	8d ring shank nails	6	-90.0
	24	#10 wood screws	6	-90.0
	24	#8 wood screws	8	-97.5
	24	#10 wood screws	4	-127.5
19/32-inch APA rated CDX plywood	24	8d ring shank nails	4	-60.0
	24	8d ring shank nails	6	-90.0
	24	#10 wood screws	6	-90.0
	24	#8 wood screws	6	-105.0
	24	#10 wood screws	4	-127.5
23/32-inch APA rated CDX plywood	24	8d ring shank nails	6	-45.0
22 ga., Type B, Grade 33 steel	72	#12 HWH Tek 5	6	-82.5
	72	#12 HWH Tek 5 with 3/4" steel washers	6	-97.5
	72	Two (2) #12 HWH Tek 5 with 3/4" steel washers	6	-172.5
22 ga., Type B, Grade 40 steel	72	#12 HWH Tek 5	6	-75.0
	72	5/8" puddle welds	6	-82.5
	72	#12 HWH Tek 5 with 3/4" steel washers	6	-97.5
22 ga., Type B, Grade 80 steel	72	#12 HWH Tek 5	6	-82.5
	72	#12 HWH Tek 5 with 3/4" steel washers	6	-112.5
	72	Two (2) #12 HWH Tek 5 with 3/4" steel washers	6	-120.0
Note:	Steel deck stress analysis is the responsibility of others to the satisfaction of the Authority Having Jurisdiction			

4.1.3 Fire Classification:

- (a) Refer to **IBC, CBC, FBC 1505, FBC HVHZ 1516, UL TGFU.R11656** and the fire classification certificate for the roof cover manufacturer for requirements and limitations regarding roof assembly fire classification.
- (b) Refer to **IBC 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. For Florida Product Approval, this shall be in accordance with **F.A.C. Rule 61G20-3**. For components listed herein that are produced by a manufacturer other than the report holder on [Page 1](#) of this NER, refer to the supporting evidence held by the component manufacturer.

4.2 Jurisdiction Specific:

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



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

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

4.2.3 Wind Load ISOGARD CGnce:

(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.

“MDP” = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety per [TAS 114](#) has already been applied). Refer to [FBC HVHZ 1620](#) or [RAS 128](#) for determination of design wind loads.

(c) The MDP for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with [IBC](#), [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.

Assemblies having a MDP < 45.0 psf are not permitted in FBC HVHZ jurisdictions. The MDP for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with [FBC HVHZ 1620](#) or [RAS 128](#). Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Analysis shall be in accordance with [RAS 117](#) or [RAS 137](#).

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

For assemblies marked with an asterisk*, the maximum design pressure (MDP) limitation shall be applicable to all roof pressure zones. Rational analysis is not permitted.



4.3 System Listings and Allowable Design Pressures: See [Section 4.2.3](#)

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

(a) **Steel Decks:**

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) **Structural Concrete Decks:**

TABLE 8A: STRUCTURAL CONCRETE DECK VAPOR BARRIER FOLLOWED BY ADHERED INSULATION					
OPTION #	PRIMER	VAPOR BARRIER		INSULATION ADHESIVE PER TABLE 11A (3.1.3)	MDP (psf)
		TYPE (3.1.4)	ATTACH		
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.	None	MB Base, SBS Base, SBS PolyBase, SBS Premium Base, SBS Premium Poly Base	LiquiGard, 1.5-2.0 gal/sq.	I.S.O. Spray R or I.S.O. Twin Pack	-240.0
C-VB-3.	ASTM D41	MB Base	I.S.O. Twin Pack, 4" o.c.	I.S.O. Twin Pack	-232.5
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	Hot asphalt	-120.0
C-VB-5.	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-6.	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-7.	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-8.	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-9.	V-Force SB Primer	V-Force Vapor Barrier	Self-adhering	I.S.O. Spray R	-255.0
C-VB-10.	V-Force SB Primer	V-Force Vapor Barrier	Self-adhering	I.S.O. Stick	-262.5
C-VB-11.	V-Force SB Primer	V-Force Vapor Barrier	Self-adhering	I.S.O. Twin Pack	-255.0
C-VB-12.	V-Force SB Primer	V-Force Vapor Barrier	Self-adhering	Twin Jet Y	-217.5
C-VB-13.	None	V-Force FR Vapor Barrier	Self-adhering	I.S.O. Spray R, I.S.O. Twin Pack, I.S.O. Stick, Twin Jet, Twin Jet Y	-185.0
C-VB-14.	None	V-Force FR Vapor Barrier	Self-adhering	I.S.O. Spray R, I.S.O. Twin Pack, Twin Jet, Twin Jet Y, 6-inch o.c.	-202.5



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4.3.2 Roof Assemblies:

TABLE	DECK	APPLICATION	TYPE	DESCRIPTION	PAGE
9A	Wood	New or Reroof (Tear-Off)	A-2	Bonded Vapor or Air Barrier, Bonded Insulation(s)	15
9B	Wood	New or Reroof (Tear-Off)	B-2	Mechanically Attached Thermal Barrier, Bonded Vapor or Air Barrier, Bonded Insulation	19
9C	Wood	New or Reroof (Tear-Off)	C-1	Mechanically Attached Insulation, Bonded Roof Cover	25
9D	Wood	New or Reroof (Tear-Off)	D-2	Insulated, Mechanically Attached Anchor Sheet, Bonded Roof Cover	26
9E	Wood	New or Reroof (Tear-Off)	E-2	Non-Insulated, Mechanically Attached Anchor Sheet, Bonded Roof Cover	26
9F	Wood	New, Reroof (Tear-Off), or Recover	E-2	Non-Insulated, Mechanically Attached Anchor Sheet, Bonded Roof Cover	27
10A	Steel	New or Reroof (Tear-Off)	A-2	Bonded Vapor or Air Barrier, Bonded Insulation	28
10B	Steel	New or Reroof (Tear-Off)	A-3	Bonded Thermal Barrier, Bonded Vapor or Air Barrier, Bonded Insulation	29
10C	Steel	New or Reroof (Tear-Off)	B-2	Mechanically Attached Thermal Barrier, Bonded Vapor or Air Barrier, Bonded Insulation	31
10D	Steel or Structural Concrete	New, Reroof (Tear-Off), or Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation(s), Bonded Roof Cover	34
10E	Steel or Structural Concrete	New, Reroof (Tear-Off), or Recover	B-2	Mechanically Attached Thermal Barrier, Bonded Temp Roof, Bonded Top Insulation, Bonded Roof Cover	41
10F	Steel or Structural Concrete	New, Reroof (Tear-Off), or Recover	C-1	Insulated, Mechanically Attached Insulation, Bonded Roof Cover	44
10G	Steel or Structural Concrete	New, Reroof (Tear-Off), or Recover	D-2	Insulated, Mechanically Attached Anchor Sheet, Bonded Roof Cover	49
11A	Structural Concrete	New or Reroof (Tear-Off)	A-1	Bonded Insulation(s), Bonded Roof Cover	52
11B	Structural Concrete	New or Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	63
12A	Deck with Lightweight Concrete	New or Reroof (Tear-Off)	A-1	Bonded Insulation(s), Bonded Roof Cover	64
12B	Deck with Lightweight Concrete	New or Reroof (Tear-Off)	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	80
12C	LWC over Steel or Structural Concrete Decks	New or Reroof (Tear-Off)	E-2	Non-Insulated, Mechanically Attached Anchor Sheet, Bonded Roof Cover	81
12D	LWC over Steel or Structural Concrete Decks	New or Reroof (Tear-Off)	E-2	Non-Insulated, Mechanically Attached Anchor Sheet, Bonded Roof Cover	86
13A	Cementitious Wood Fiber	New or Reroof (Tear-Off)	A-1	Bonded Insulation(s), Bonded Roof Cover	86
13B	Cementitious Wood Fiber	New, Reroof (Tear-Off), or Recover	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation(s), Bonded Roof Cover	86
13C	Cementitious Wood Fiber	Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	87
13D	Cementitious Wood Fiber	New, Reroof (Tear-Off), or Recover	D-2	Insulated, Mechanically Attached Anchor Sheet, Bonded Roof Cover	87
13E	Cementitious Wood Fiber	New, Reroof (Tear-Off), or Recover	E-2	Non-Insulated, Mechanically Attached Anchor Sheet, Bonded Roof Cover	88
14A	Existing Gypsum	Reroof (Tear-Off)	A-1	Bonded Insulation(s), Bonded Roof Cover	89
14B	Existing Gypsum	Reroof (Tear-Off)	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	92
14C	Existing Gypsum	Reroof (Tear-Off)	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	93
14D	Existing Gypsum	Reroof (Tear-Off)	D-2	Insulated, Mechanically Attached Anchor Sheet, Bonded Roof Cover	94
14E	Existing Gypsum	Reroof (Tear-Off)	E-2	Non-Insulated, Mechanically Attached Anchor Sheet, Bonded Roof Cover	95
15A	Various	Recover	A-1	Bonded Insulation(s), Bonded Roof Cover	96



TABLE 9A: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-2: BONDED VAPOR OR AIR BARRIER, BONDED INSULATION(S)
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 (4.2.3b)			MDP (PSF)
			PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
COLD-APPLIED BASE; ELEVATE MULTI-PURPOSE MB COLD ADHESIVE:										
W-1	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 APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5
W-2	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 APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-52.5
W-3	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	Twin Jet Y (RIBBON, 4- inch o.c.)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y (RIBBON, 4- inch o.c.)	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5
W-4	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	Twin Jet Y (RIBBON, 4- inch o.c.)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y (RIBBON, 4- inch o.c.)	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-52.5
W-5	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. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or Elevate ISOGARD HD	Twin Jet Y (SPATTER)	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-90.0



TABLE 9A: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-2: BONDED VAPOR OR AIR BARRIER, BONDED INSULATION(S)
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 (4.2.3b)			MDP (PSF)
			PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
W-6	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, 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, I.S.O. Spray R, 6-inch o.c.	SBS-CA	(Optio nal) SBS- CA, SBS- CA2, SBS- AA, SBS-TA	SBS- CA, SBS- CA2, SBS-AA or SBS- TA	-112.5
W-7	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 (RIBBON, 4- inch o.c.)	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or ISOGARD HD	Twin Jet Y (RIBBON, 4- inch o.c.)	SBS-CA	(Optio nal) SBS- CA, SBS- CA2, SBS- AA, SBS-TA	SBS- CA, SBS- CA2, SBS-AA or SBS- TA	-112.5
ASPHALT AND/OR TORCH APPLIED:										
W-8	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 APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R	BP-AA or SBS- AA	(Optio nal) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-52.5
W-9	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 APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R	SBS-AA, SBS-TA	(Optio nal) SBS- CA2, SBS- AA, SBS-TA	SBS- CA, SBS- CA2, SBS-AA or SBS- TA	-52.5
W-10	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 APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R	APP-TA	(Optio nal) APP-TA	APP- CA or APP-TA	-52.5



**TABLE 9A: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-2: BONDED VAPOR OR AIR BARRIER, BONDED INSULATION(S)
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 (4.2.3b)			MDP (PSF)
			PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
W-11	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	Twin Jet Y (RIBBON, 4-inch o.c.)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y (RIBBON, 4-inch o.c.)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-52.5
W-12	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	Twin Jet Y (RIBBON, 4-inch o.c.)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y (RIBBON, 4-inch o.c.)	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-52.5
W-13	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	Twin Jet Y (RIBBON, 4-inch o.c.)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD	Twin Jet Y (RIBBON, 4-inch o.c.)	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-52.5
W-14	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. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or Elevate ISOGARD HD	Twin Jet Y (SPATTER)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-90.0
W-15	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. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or Elevate ISOGARD HD	Twin Jet Y (SPATTER)	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-90.0
W-16	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. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or Elevate ISOGARD HD	Twin Jet Y (SPATTER)	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-90.0



**TABLE 9A: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-2: BONDED VAPOR OR AIR BARRIER, BONDED INSULATION(S)
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 (4.2.3b)			MDP (PSF)
			PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
W-17	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, 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, I.S.O. Spray R, 6-inch o.c.	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-112.5
W-18	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, 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, I.S.O. Spray R, 6-inch o.c.	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-112.5
W-19	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, 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, I.S.O. Spray R, 6-inch o.c.	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-112.5
W-20	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 (RIBBON, 4-inch o.c.)	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or ISOGARD HD	Twin Jet Y (RIBBON, 4-inch o.c.)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-112.5
W-21	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 (RIBBON, 4-inch o.c.)	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or ISOGARD HD	Twin Jet Y (RIBBON, 4-inch o.c.)	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-112.5
W-22	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 (RIBBON, 4-inch o.c.)	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or ISOGARD HD	Twin Jet Y (RIBBON, 4-inch o.c.)	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-112.5



TABLE 9B: 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 (3.1.2)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
COLD-APPLIED BASE; ELEVATE MULTI-PURPOSE MB COLD ADHESIVE:													
W-23	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 APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD or SECUROCK Cement Roof Board	I.S.O. Twin Pack or I.S.O. Spray R	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5
W-24	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 APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD or SECUROCK Cement Roof Board	I.S.O. Twin Pack or I.S.O. Spray R	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-52.5
W-25	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	Twin Jet Y (RIBBON, 4-inch o.c.)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD or SECUROCK Cement Roof Board	Twin Jet Y (RIBBON, 4-inch o.c.)	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5
W-26	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	Twin Jet Y (RIBBON, 4-inch o.c.)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD or SECUROCK Cement Roof Board	Twin Jet Y (RIBBON, 4-inch o.c.)	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-52.5
W-27	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.	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-60.0



TABLE 9B: 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 (3.1.2)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
W-28	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, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or Elevate ISOGARD HD	Twin Jet Y (SPATTER)	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-60.0
W-29	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.	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-75.0
W-30	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	Twin Jet Y (SPATTER)	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or Elevate ISOGARD HD	Twin Jet Y (SPATTER)	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-75.0
ASPHALT AND/OR TORCH APPLIED:													
W-31.	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 APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD or SECUROCK Cement Roof Board	I.S.O. Twin Pack or I.S.O. Spray R	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-52.5



TABLE 9B: 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 (3.1.2)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
W-32.	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 APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD or SECUROCK Cement Roof Board	I.S.O. Twin Pack or I.S.O. Spray R	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-52.5
W-33.	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 APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD or SECUROCK Cement Roof Board	I.S.O. Twin Pack or I.S.O. Spray R	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-52.5
W-34.	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	Twin Jet Y (RIBBON, 4-inch o.c.)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD or SECUROCK Cement Roof Board	Twin Jet Y (RIBBON, 4-inch o.c.)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-52.5
W-35.	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	Twin Jet Y (RIBBON, 4-inch o.c.)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD or SECUROCK Cement Roof Board	Twin Jet Y (RIBBON, 4-inch o.c.)	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-52.5
W-36.	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	Twin Jet Y (RIBBON, 4-inch o.c.)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD or SECUROCK Cement Roof Board	Twin Jet Y (RIBBON, 4-inch o.c.)	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-52.5



TABLE 9B: 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 (3.1.2)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
W-37.	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.	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-60.0
W-38.	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.	SBS-AA, SBS-TA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-60.0
W-39.	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.	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-60.0
W-40.	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, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or Elevate ISOGARD HD	Twin Jet Y (SPATTER)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-60.0
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 layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	Twin Jet Y (SPATTER)	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or Elevate ISOGARD HD	Twin Jet Y (SPATTER)	SBS-AA, SBS-TA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-60.0



TABLE 9B: 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 (3.1.2)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
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 layer(s), Min. 2-inch Elevate ISOGARD GL, Elevate ISOGARD CG	Twin Jet Y (SPATTER)	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or Elevate ISOGARD HD	Twin Jet Y (SPATTER)	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-60.0
W-43.	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.	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-75.0
W-44.	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.	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-75.0
W-45.	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.	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-75.0
W-46.	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	Twin Jet Y (SPATTER)	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or Elevate ISOGARD HD	Twin Jet Y (SPATTER)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-75.0



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Amrize Bulding Envelope LLC (Elevate)

FL984-R17



ISO/IEC 17065

PCA-145

TABLE 9B: 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 (3.1.2)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
W-47.	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	Twin Jet Y (SPATTER)	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or Elevate ISOGARD HD	Twin Jet Y (SPATTER)	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-75.0
W-48.	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	Twin Jet Y (SPATTER)	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or Elevate ISOGARD HD	Twin Jet Y (SPATTER)	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-75.0



**TABLE 9c: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

SYSTEM No.	Deck (4.1.2)	BASE INSULATION LAYER (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (psf)
			TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
COLD-APPLIED BASE PLY; ELEVATE MULTI-PURPOSE MB COLD ADHESIVE:									
W-49.	Min. 15/32-inch plywood at max. 24-inch spans.	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD CG	3.1.1	1 per 2.7 ft ²	SBS-CA	(Optional) BP-CA, SBS-CA, BP-CA2, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA, SBS-TA	-40.0* (NO FBC HVHZ)
W-50.	Min. 19/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch ISOGARD HD	3.1.1	1 per 2.1 ft ²	SBS-CA	(Optional) BP-CA, SBS-CA, BP-CA2, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA, SBS-TA	-50.0*
ASPHALT / TORCH APPLIED BASE PLY:									
W-51.	Min. 19/32-inch plywood at max. 24-inch spans	One or more layers, any combination, loose laid	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-30.0* (NO FBC HVHZ)
W-52.	Min. 23/32-inch plywood or wood plank	One or more layers, any combination, loose laid	Min. 0.5-inch Dens-Deck, Dens-Deck Prime	3.1.1	1 per 3.6 ft ²	SBS-AA	(Optional) SBS-AA	SBS-AA	-45.0*
SELF-ADHERING BASE PLY:									
W-53.	Min. 15/32-inch plywood at max. 24-inch spans.	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD CG	3.1.1	1 per 2.7 ft ²	BASEGARD SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-40.0* (NO FBC HVHZ)
W-54.	Min. 19/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch ISOGARD HD	3.1.1	1 per 2.1 ft ²	SBS-SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-50.0*
W-55.	Min. 19/32-inch plywood or wood plank; 24" span; blocked 48" o.c.; 0.113" x 2 3/8" ring shank nails 6" o.c.	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD CG or 0.5-inch SECUROCK Gypsum-Fiber Roof Board, long joints staggered 4 ft.	3.1.1	1 per 1.78 ft ²	SBS-SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-75.0



TABLE 9D: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)									
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED ANCHOR SHEET, BONDED ROOF COVER									
SYSTEM NO.	DECK (4.1.2)	INSULATION LAYER(S) (3.1.2)		BASE OR ANCHOR SHEET			ROOF COVER (3.1.4)		MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	CAP PLY	
W-56.	Min. 19/32-inch plywood at max. 24-inch spans	One or more layers, any combination	Prelim. Attached	MB Base, Channel Venting Base	3.1.1	12-inch o.c. in the 4-inch side lap and 18-inch o.c. in two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
W-57.	Min. 19/32-inch plywood at max. 24-inch spans	One or more layers, any combination	Prelim. Attached	MB Base, Channel Venting Base	3.1.1	12-inch o.c. in the 4-inch side lap and 12-inch o.c. in two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-52.5

TABLE 9E: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)									
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED ANCHOR SHEET, BONDED ROOF COVER									
SYSTEM NO.	DECK (4.1.2)	BASE SHEET			ROOF COVER (3.1.4)		MDP (PSF)		
		BASE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	CAP PLY			
COLD-APPLIED BASE PLY; ELEVATE LIQUIGARD MEMBRANE ADHESIVE:									
W-58.	Min. 19/32-inch plywood at max. 24-inch spans, blocked max. 78-inch o.c.	SBS Base	FBC HVHZ 1519.5.1 nails & tin caps	6-inch o.c. at the 3-inch side lap and 6-inch o.c. at three (3), equally spaced, staggered rows in the center of the sheet	One or more BP-CA2, SBS-CA2	SBS-CA2, SBS-AA, SBS-TA	-97.5		
ASPHALT OR TORCH APPLIED BASE PLY:									
W-59.	Min. 19/32-inch plywood at max. 24-inch spans	MB Base, Channel Venting Base	FBC HVHZ 1519.5.1 nails & tin caps	9-inch o.c. at the 4-inch side lap and 18-inch o.c. at two (2), equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*		
W-60.	Min. 19/32-inch plywood at max. 24-inch spans	MB Base, Channel Venting Base	FBC HVHZ 1519.5.1 nails & tin caps	6-inch o.c. at the 4-inch side lap and 6-inch o.c. at two (2), equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-52.5		
W-61.	Min. 19/32-inch plywood at max. 24-inch spans, blocked max. 78-inch o.c.	MB Base, Channel Venting Base	FBC HVHZ 1519.5.1 nails & tin caps	9-inch o.c. at the 2-inch side lap and 9-inch o.c. at three (3), equally spaced, staggered rows in the center of the sheet	One or more BP-AA, SBS-AA or SBS-TA	SBS-AA, SBS-TA	-52.5		
W-62.	Min. 19/32-inch plywood at max. 24-inch spans, blocked max. 78-inch o.c.	SBS Base	FBC HVHZ 1519.5.1 nails & tin caps	6-inch o.c. at the 3-inch side lap and 6-inch o.c. at three (3), equally spaced, staggered rows in the center of the sheet	One or more BP-AA, SBS-AA, SBS-TA	SBS-CA2, SBS-AA, SBS-TA	-97.5		
SELF-ADHERING BASE PLY:									
W-63.	Min. 19/32-inch plywood at max. 24-inch spans, blocked max. 78-inch o.c.	MB Base, Channel Venting Base	FBC HVHZ 1519.5.1 nails & tin caps	9-inch o.c. at the 2-inch side lap and 9-inch o.c. at three (3), equally spaced, staggered rows in the center of the sheet	BASEGARD SA	SBS-AA, SBS-TA	-52.5		



**TABLE 9F: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
 SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED ANCHOR SHEET, BONDED ROOF COVER**

SYSTEM NO.	DECK (4.1.2)	BASE SHEET			ROOF COVER (3.1.4)		MDP (PSF)
		BASE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	CAP PLY	
COLD-APPLIED BASE PLY; ELEVATE LIQUIGARD MEMBRANE ADHESIVE:							
W-64.	Min. 19/32-inch plywood at max. 24-inch spans, blocked max. 78-inch o.c.	MB Base, Channel Venting Base	3.1.1	12-inch o.c. in the 3.5-inch side lap and 12-inch o.c. in two (2), equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-CA2, SBS-CA2	SBS-CA2, SBS-AA, SBS-TA	-60.0
ASPHALT OR TORCH APPLIED BASE PLY:							
W-65.	Min. 19/32-inch plywood at max. 24-inch spans attached	MB Base, Channel Venting Base	3.1.1	12-inch o.c. in the 4-inch side lap and 12-inch o.c. in two (2), equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-52.5
W-66.	Min. 19/32-inch plywood at max. 24-inch spans, blocked max. 78-inch o.c.	MB Base, Channel Venting Base	3.1.1	12-inch o.c. in the 3.5-inch side lap and 12-inch o.c. in two (2), equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA or SBS-TA	SBS-CA2, SBS-AA, SBS-TA	-60.0
W-67.	Min. 19/32-inch plywood at max. 24-inch spans, blocked max. 78-inch o.c.	MB Base, Channel Venting Base	3.1.1	12-inch o.c. in the 2-inch side lap and 12-inch o.c. in two (2), equally spaced, staggered rows in the center of the sheet	One or more BP-AA, SBS-AA or SBS-TA	SBS-CA2, SBS-AA, SBS-TA	-75.0
SELF-ADHERING BASE PLY:							
W-68.	Min. 19/32-inch plywood at max. 24-inch spans, blocked max. 78-inch o.c.	MB Base, Channel Venting Base	3.1.1	12-inch o.c. in the 2-inch side lap and 12-inch o.c. in two (2), equally spaced, staggered rows in the center of the sheet	BASEGARD SA	SBS-AA, SBS-TA	-75.0



**TABLE 10A: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-2: BONDED VAPOR OR AIR BARRIER, BONDED INSULATION**

SYSTEM NO.	DECK (4.1.2 AND 4.2.2)	VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (4.2.3b)			MDP (PSF)
			PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
COLD-APPLIED BASE; ELEVATE MULTI-PURPOSE MB COLD ADHESIVE:										
S-1	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 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.	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS- CA2, SBS-AA or SBS- TA	-90.0
S-2	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	Twin Jet Y (SPATTER)	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or Elevate ISOGARD HD	Twin Jet Y (SPATTER)	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS- CA2, SBS-AA or SBS- TA	-90.0
ASPHALT AND/OR TORCH APPLIED:										
S-3	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 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.	BP-AA or SBS-AA	(Optional) One or more BP- AA, SBS- AA or APP-TA	SBS-AA or APP- TA	-90.0
S-4	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 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.	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS- CA2, SBS-AA or SBS- TA	-90.0
S-5	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 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.	APP-TA	(Optional) APP-TA	APP-CA or APP- TA	-90.0
S-6	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	Twin Jet Y (SPATTER)	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or Elevate ISOGARD HD	Twin Jet Y (SPATTER)	BP-AA or SBS-AA	(Optional) One or more BP- AA, SBS- AA or APP-TA	SBS-AA or APP- TA	-90.0



TABLE 10A: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-2: BONDED VAPOR OR AIR BARRIER, BONDED INSULATION

SYSTEM NO.	DECK (4.1.2 AND 4.2.2)	VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (4.2.3b)			MDP (PSF)
			PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
S-7	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	Twin Jet Y (SPATTER)	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or Elevate ISOGARD HD	Twin Jet Y (SPATTER)	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS- CA2, SBS-AA or SBS- TA	-90.0
S-8	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	Twin Jet Y (SPATTER)	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or Elevate ISOGARD HD	Twin Jet Y (SPATTER)	APP-TA	(Optional) APP-TA	APP-CA or APP- TA	-90.0

TABLE 10B: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-3: BONDED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, BONDED INSULATION

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER		VAPOR OR AIR BARRIER	INSULATION BASE LAYER		TOP INSULATION LAYER(S)		ROOF COVER (4.2.3b)			MDP (PSF)
		TYPE	ADHESIVE (3.1.3)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
COLD-APPLIED BASE; ELEVATE MULTI-PURPOSE MB COLD ADHESIVE:												
S-9	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum- Fiber 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 APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD or SECUROCK Cement Roof Board	I.S.O. Twin Pack or I.S.O. Spray R	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5
S-10	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum- Fiber 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 APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD or SECUROCK Cement Roof Board	I.S.O. Twin Pack or I.S.O. Spray R	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-52.5
S-11	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch 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 APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5



TABLE 10B: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-3: BONDED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, BONDED INSULATION

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER		VAPOR OR AIR BARRIER	INSULATION BASE LAYER		TOP INSULATION LAYER(S)		ROOF COVER (4.2.3b)			MDP (PSF)
		TYPE	ADHESIVE (3.1.3)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
S-12	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch 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 APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-52.5
ASPHALT AND/OR TORCH APPLIED:												
S-13	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum- Fiber 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 APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD or SECUROCK Cement Roof Board	I.S.O. Twin Pack or I.S.O. Spray R	BP-AA or SBS-AA	(Optional) One or more BP- AA, SBS- AA or APP-TA	SBS-AA or APP-TA	-52.5
S-14	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum- Fiber 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 APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD or SECUROCK Cement Roof Board	I.S.O. Twin Pack or I.S.O. Spray R	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-52.5
S-15	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum- Fiber 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 APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD or SECUROCK Cement Roof Board	I.S.O. Twin Pack or I.S.O. Spray R	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-52.5
S-16	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch 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 APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R	BP-AA or SBS-AA	(Optional) One or more BP- AA, SBS- AA or APP-TA	SBS-AA or APP-TA	-52.5
S-17	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch 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 APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-52.5



TABLE 10B: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)												
SYSTEM TYPE A-3: BONDED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, BONDED INSULATION												
SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER		VAPOR OR AIR BARRIER	INSULATION BASE LAYER		TOP INSULATION LAYER(S)		ROOF COVER (4.2.3b)			MDP (PSF)
		TYPE	ADHESIVE (3.1.3)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
S-18	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch 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 APA Rated OSB or min. 0.5-inch Elevate ISOGARD HD	I.S.O. Twin Pack or I.S.O. Spray R	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-52.5

TABLE 10C: STEEL 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 (3.1.2)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
COLD-APPLIED BASE; ELEVATE MULTI-PURPOSE MB COLD ADHESIVE:													
S-19	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 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.	BP-CA, SBS-CA	(Option al) BP- CA, SBS-CA	SBS-CA	-37.5
S-20	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 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.	SBS-CA	(Option al) SBS- CA, SBS- CA2, SBS-AA, SBS-TA	SBS-CA, SBS- CA2, SBS-AA or SBS- TA	-37.5
S-21	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)	BP-CA, SBS-CA	(Option al) BP- CA, SBS-CA	SBS-CA	-37.5
S-22	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)	SBS-CA	(Option al) SBS- CA, SBS- CA2, SBS-AA, SBS-TA	SBS-CA, SBS- CA2, SBS-AA or SBS- TA	-37.5



TABLE 10c: STEEL 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 (3.1.2)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
S-23	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 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.	SBS-CA	(Option al) SBS- CA, SBS- CA2, SBS-AA, SBS-TA	SBS-CA, SBS- CA2, SBS-AA or SBS- TA	-135.0
S-24	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	Twin Jet Y (RIBBON, 4- inch o.c.)	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or ISOGARD HD	Twin Jet Y (RIBBON, 4- inch o.c.)	SBS-CA	(Option al) SBS- CA, SBS- CA2, SBS-AA, SBS-TA	SBS-CA, SBS- CA2, SBS-AA or SBS- TA	-112.5
ASPHALT AND/OR TORCH APPLIED:													
S-25	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 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.	BP-AA or SBS- AA	(Option al) One or more BP-AA, SBS-AA or APP- TA	SBS-AA or APP- TA	-37.5
S-26	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 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.	SBS-AA, SBS-TA	(Option al) SBS- CA, CA2, SBS-AA, SBS-TA	SBS-CA, SBS- CA2, SBS-AA or SBS- TA	-37.5
S-27	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 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.	APP-TA	(Option al) APP- TA	APP-CA or APP- TA	-37.5
S-28	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)	BP-AA or SBS- AA	(Option al) One or more BP-AA, SBS-AA or APP- TA	SBS-AA or APP- TA	-37.5



TABLE 10c: STEEL 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 (3.1.2)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
S-29	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)	SBS-AA, SBS-TA	(Option al) SBS- CA2, SBS-AA, SBS-TA	SBS-CA, SBS- CA2, SBS-AA or SBS- TA	-37.5
S-30	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)	APP-TA	(Option al) APP- TA	APP-CA or APP- TA	-37.5
S-31	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 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.	BP-AA or SBS- AA	(Option al) One or more BP-AA, SBS-AA or APP- TA	SBS-AA or APP- TA	-135.0
S-32	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 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.	SBS-AA, SBS-TA	(Option al) SBS- CA2, SBS-AA, SBS-TA	SBS-CA, SBS- CA2, SBS-AA or SBS- TA	-135.0
S-33	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 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.	APP-TA	(Option al) APP- TA	APP-CA or APP- TA	-135.0
S-34	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	Twin Jet Y (RIBBON, 4- inch o.c.)	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or ISOGARD HD	Twin Jet Y (RIBBON, 4- inch o.c.)	BP-AA or SBS- AA	(Option al) One or more BP-AA, SBS-AA or APP- TA	SBS-AA or APP- TA	-112.5



TABLE 10c: STEEL 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 (3.1.2)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
S-35	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	Twin Jet Y (RIBBON, 4-inch o.c.)	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or ISOGARD HD	Twin Jet Y (RIBBON, 4-inch o.c.)	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-112.5
S-36	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	Twin Jet Y (RIBBON, 4-inch o.c.)	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or ISOGARD HD	Twin Jet Y (RIBBON, 4-inch o.c.)	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-112.5

TABLE 10d: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF), OR RECOVER											
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BONDED INSULATION, BONDED TOP INSULATION(S), BONDED ROOF COVER											
SYSTEM No.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY		
COLD-APPLIED BASE; ELEVATE MULTI-PURPOSE MB COLD ADHESIVE:											
SC-1.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch Dens Deck, Dens Deck 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 Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick or Twin Jet	APP-CA	None	APP-CA	-37.5* (NO FBC HVHZ)	
SC-2.	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 2.0 ft ²	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick or Twin Jet	APP-CA	None	APP-CA	-37.5* (NO FBC HVHZ)	
SC-3.	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 2.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.5-inch ISOGARD HD	I.S.O. Stick or Twin Jet	APP-CA	None	APP-CA	-45.0*	
SC-4.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch Dens Deck, Dens Deck 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 Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick or Twin Jet	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-30.0* (NO FBC HVHZ)	
SC-5.	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 2.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.5-inch ISOGARD HD	I.S.O. Stick or Twin Jet	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*	
SC-6.	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 2.0 ft ²	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick or Twin Jet	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*	



**TABLE 10D: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF), OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BONDED INSULATION, BONDED TOP INSULATION(S), BONDED ROOF COVER**

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
SC-7.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 4.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board or min. 0.5-inch ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	APP-CA	None	APP-CA	-37.5* (NO FBC HVHZ)
SC-8.	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 3.2 ft ²	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	APP-CA	None	APP-CA	-37.5* (NO FBC HVHZ)
SC-9.	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 2.0 ft ²	Min. 0.5-inch Tapered ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack	APP-CA	None	APP-CA	-37.5* (NO FBC HVHZ)
SC-10.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch Dens Deck, Dens Deck 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 Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	APP-CA	None	APP-CA	-37.5* (NO FBC HVHZ)
SC-11.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch Dens Deck, Dens Deck 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 Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-30.0* (NO FBC HVHZ)
SC-12.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 4.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board or min. 0.5-inch ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-37.5* (NO FBC HVHZ)
SC-13.	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 3.2 ft ²	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-37.5* (NO FBC HVHZ)
SC-14.	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 2.0 ft ²	Min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	I.S.O. Spray R; I.S.O. Twin Pack	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-37.5* (NO FBC HVHZ)
SC-15.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2.2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 4.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.5-inch ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	APP-CA	None	APP-CA	-45.0*
SC-16.	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 2.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.5-inch ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	APP-CA	None	APP-CA	-45.0*



**TABLE 10D: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF), OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BONDED INSULATION, BONDED TOP INSULATION(S), BONDED ROOF COVER**

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
SC-17.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2.2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 4.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board or min. 0.5-inch ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
SC-18.	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 2.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.5-inch ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
SC-19.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch Dens Deck, Dens Deck 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 Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Twin Jet Y, RIBBON or SPATTER	APP-CA	None	APP-CA	-37.5* (NO FBC HVHZ)
SC-20.	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 2.0 ft ²	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Twin Jet Y, RIBBON or SPATTER	APP-CA	None	APP-CA	-37.5* (NO FBC HVHZ)
SC-21.	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 2.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.5-inch ISOGARD HD	Twin Jet Y, RIBBON or SPATTER	APP-CA	None	APP-CA	-45.0*
SC-22.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch Dens Deck, Dens Deck 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 Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Twin Jet Y, RIBBON or SPATTER	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-30.0* (NO FBC HVHZ)
SC-23.	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 2.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.5-inch ISOGARD HD	Twin Jet Y, RIBBON or SPATTER	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
SC-24.	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 2.0 ft ²	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Twin Jet Y, RIBBON or SPATTER	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
COLD-APPLIED BASE; ELEVATE LIQUIGARD MEMBRANE ADHESIVE:										
SC-25.	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 2.7 ft ²	Tapered ISOGARD GL or min. 1.5-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack, I.S.O. Stick, or Twin Jet	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-30.0* (NO FBC HVHZ)
SC-26.	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	Tapered ISOGARD GL or min. 1.5-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack, I.S.O. Stick, or Twin Jet	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-37.5* (NO FBC HVHZ)



**TABLE 10D: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF), OR RECOVER
 SYSTEM TYPE B-1: MECHANICALLY ATTACHED BONDED INSULATION, BONDED TOP INSULATION(S), BONDED ROOF COVER**

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2e)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
SC-27.	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. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	LiquiGard	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-45.0*
SC-28.	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. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board or min. 0.5-inch ISOGARD HD	LiquiGard, I.S.O. Spray R; I.S.O. Twin Pack, I.S.O. Stick, or Twin Jet	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-45.0*
SC-29.	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. 1.5-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack, I.S.O. Stick, or Twin Jet	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-75.0
SC-30.	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 2.7 ft ²	Tapered ISOGARD GL or min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON or SPATTER	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-30.0* (NO FBC HVHZ)
SC-31.	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	Tapered ISOGARD GL or min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON or SPATTER	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-37.5* (NO FBC HVHZ)
SC-32.	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. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board or min. 0.5-inch ISOGARD HD	Twin Jet Y, RIBBON or SPATTER	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-45.0*
SC-33.	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. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON or SPATTER	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-45.0
SC-34.	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. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON, 4-inch o.c.	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-75.0
ASPHALT AND/OR TORCH APPLIED BASE:										
SC-35.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 4.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-37.5* (NO FBC HVHZ)



**TABLE 10D: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF), OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BONDED INSULATION, BONDED TOP INSULATION(S), BONDED ROOF COVER**

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
SC-36.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2.2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 4.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
SC-37.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch ISOGARD GL; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
SC-38.	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 1.6 ft ²	Optional min. 0.5-inch base insulation; Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet, 6-inch o.c.	BP-AA, SBS-AA, SBS-TA	(Optional) One or more SBS-CA2, BP-AA, SBS-AA, SBS-TA	SBS-CA2, SBS-AA, SBS-TA	-67.5
SC-39.	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 Dens Deck Prime	I.S.O. Spray R	BP-AA, SBS-AA, SBS-TA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-TA	-82.5
SC-40.	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 Dens Deck Prime	I.S.O. Spray R	BP-AA, SBS-AA, SBS-TA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-TA	-97.5
SC-41.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 4.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Twin Jet Y, RIBBON or SPATTER	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-37.5* (NO FBC HVHZ)
SC-42.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2.2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 4.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Twin Jet Y, RIBBON or SPATTER	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
SC-43.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch ISOGARD GL; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Twin Jet Y, RIBBON or SPATTER	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
SC-44.	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 1.6 ft ²	Optional min. 0.5-inch base insulation; Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON or SPATTER	BP-AA, SBS-AA, SBS-TA	(Optional) One or more SBS-CA2, BP-AA, SBS-AA, SBS-TA	SBS-CA2, SBS-AA, SBS-TA	-45.0



**TABLE 10D: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF), OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BONDED INSULATION, BONDED TOP INSULATION(S), BONDED ROOF COVER**

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
SC-45.	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 Dens Deck Prime	Twin Jet Y, RIBBON or SPATTER	BP-AA, SBS-AA, SBS-TA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-TA	-45.0
SC-46.	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 1.6 ft ²	Optional min. 0.5-inch base insulation; Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON, 4-inch o.c.	BP-AA, SBS-AA, SBS-TA	(Optional) One or more SBS-CA2, BP-AA, SBS-AA, SBS-TA	SBS-CA2, SBS-AA, SBS-TA	-67.5
SC-47.	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 Dens Deck Prime	Twin Jet Y, RIBBON, 4-inch o.c.	BP-AA, SBS-AA, SBS-TA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-TA	-82.5
SC-48.	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 Dens Deck Prime	Twin Jet Y, RIBBON, 4-inch o.c.	BP-AA, SBS-AA, SBS-TA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-TA	-97.5
SELF-ADHERING BASE:										
SC-49.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 4.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Optional min. 0.5-inch ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-37.5* (NO FBC HVHZ)
SC-50.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch ISOGARD GL; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
SC-51.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2.2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 4.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Optional min. 0.5-inch ISOGARD HD	I.S.O. Spray R; I.S.O. Twin Pack	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
SC-52.	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	Optional min. 0.5-inch base insulation; Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet, 6-inch o.c.	BASEGARD SA	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-67.5
SC-53.	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 Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R or I.S.O. Twin Pack, 4-inch o.c.	BASEGARD SA	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-67.5
SC-54.	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 ISOGARD HD	I.S.O. Twin Pack, 4-inch o.c.	BASEGARD SA	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-105.0



**TABLE 10D: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF), OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BONDED INSULATION, BONDED TOP INSULATION(S), BONDED ROOF COVER**

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
SC-55.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 4.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Optional min. 0.5-inch ISOGARD HD	Twin Jet Y, RIBBON or SPATTER	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-37.5* (NO FBC HVHZ)
SC-56.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch ISOGARD GL; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Twin Jet Y, RIBBON or SPATTER	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
SC-57.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2.2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 4.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Optional min. 0.5-inch ISOGARD HD	Twin Jet Y, RIBBON or SPATTER	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
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	Optional min. 0.5-inch base insulation; Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON or SPATTER	BASEGARD SA	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-45.0
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 Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON or SPATTER	BASEGARD SA	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-45.0
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. 0.5-inch ISOGARD HD	Twin Jet Y, RIBBON or SPATTER	BASEGARD SA	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-45.0
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 1.6 ft ²	Optional min. 0.5-inch base insulation; Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON, 4-inch o.c.	BASEGARD SA	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-67.5
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 Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON, 4-inch o.c.	BASEGARD SA	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-67.5
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. 0.5-inch ISOGARD HD	Twin Jet Y, RIBBON, 4-inch o.c.	BASEGARD SA	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-105.0



**TABLE 10E: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF), OR RECOVER
 SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED TEMP ROOF, BONDED TOP INSULATION, BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	BASE INSULATION LAYER(S) (3.1.2)			TEMP ROOF	TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)		TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
COLD-APPLIED BASE; ELEVATE MULTI-PURPOSE MB COLD ADHESIVE:											
SC-64.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with V-Force SB Primer	3.1.1	1 per 4.0 ft ²	V-Force	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	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
SC-65.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with V-Force SB Primer	3.1.1	1 per 4.0 ft ²	V-Force	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	APP-CA	None	APP-CA	-45.0*
SC-66.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with V-Force SB Primer	3.1.1	1 per 4.0 ft ²	V-Force	One or more layers Min. 1.5-inch ISOGARD GL; optional Min. 0.5-inch Tapered ISOGARD GL; Min. 0.50-inch ISOGARD HD	I.S.O. Stick or Twin Jet	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
SC-67.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with V-Force SB Primer	3.1.1	1 per 4.0 ft ²	V-Force	One or more layers Min. 1.5-inch ISOGARD GL; optional Min. 0.5-inch Tapered ISOGARD GL; Min. 0.50-inch ISOGARD HD	I.S.O. Stick or Twin Jet	APP-CA	None	APP-CA	-45.0*
SC-68.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with V-Force SB Primer	3.1.1	1 per 4.0 ft ²	V-Force	One or more layers Min. 1.5-inch ISOGARD GL; optional Min. 0.5-inch Tapered ISOGARD GL; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick or Twin Jet	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-30.0* (NO FBC HVHZ)
SC-69.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with V-Force SB Primer	3.1.1	1 per 4.0 ft ²	V-Force	One or more layers Min. 1.5-inch ISOGARD GL; optional Min. 0.5-inch Tapered ISOGARD GL; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick or Twin Jet	APP-CA	None	APP-CA	-37.5* (NO FBC HVHZ)
SC-70.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with V-Force SB Primer	3.1.1	1 per 4.0 ft ²	V-Force	One or more layers Min. 1.5-inch ISOGARD GL; optional Min. 0.5-inch Tapered ISOGARD GL	Twin Jet Y, RIBBON or SPATTER	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
SC-71.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with V-Force SB Primer	3.1.1	1 per 4.0 ft ²	V-Force	One or more layers Min. 1.5-inch ISOGARD GL; optional Min. 0.5-inch Tapered ISOGARD GL	Twin Jet Y, RIBBON or SPATTER	APP-CA	None	APP-CA	-45.0*
SC-72.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with V-Force SB Primer	3.1.1	1 per 4.0 ft ²	V-Force	One or more layers Min. 1.5-inch ISOGARD GL; optional Min. 0.5-inch Tapered ISOGARD GL; Min. 0.50-inch ISOGARD HD	Twin Jet Y, RIBBON or SPATTER	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*



**TABLE 10E: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF), OR RECOVER
 SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED TEMP ROOF, BONDED TOP INSULATION, BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	BASE INSULATION LAYER(S) (3.1.2)			TEMP ROOF	TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)		TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
SC-73.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with V-Force SB Primer	3.1.1	1 per 4.0 ft ²	V-Force	One or more layers Min. 1.5-inch ISOGARD GL; optional Min. 0.5-inch Tapered ISOGARD GL; Min. 0.50-inch ISOGARD HD	Twin Jet Y, RIBBON or SPATTER	APP-CA	None	APP-CA	-45.0*
SC-74.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with V-Force SB Primer	3.1.1	1 per 4.0 ft ²	V-Force	One or more layers Min. 1.5-inch ISOGARD GL; optional Min. 0.5-inch Tapered ISOGARD GL; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Twin Jet Y, RIBBON or SPATTER	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-30.0* (NO FBC HVHZ)
SC-75.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with V-Force SB Primer	3.1.1	1 per 4.0 ft ²	V-Force	One or more layers Min. 1.5-inch ISOGARD GL; optional Min. 0.5-inch Tapered ISOGARD GL; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Twin Jet Y, RIBBON or SPATTER	APP-CA	None	APP-CA	-37.5* (NO FBC HVHZ)
COLD-APPLIED BASE; ELEVATE LIQUIGARD MEMBRANE ADHESIVE:											
SC-76.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with V-Force SB Primer	3.1.1	1 per 4.0 ft ²	V-Force	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	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-45.0*
SC-77.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with V-Force SB Primer	3.1.1	1 per 4.0 ft ²	V-Force	One or more layers Min. 1.5-inch ISOGARD GL; optional Min. 0.5-inch Tapered ISOGARD GL; Min. 0.50-inch ISOGARD HD or Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick or Twin Jet	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-45.0*
SC-78.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with V-Force SB Primer	3.1.1	1 per 4.0 ft ²	V-Force	One or more layers Min. 1.5-inch ISOGARD GL; optional Min. 0.5-inch Tapered ISOGARD GL	Twin Jet Y, RIBBON or SPATTER	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-45.0*
SC-79.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with V-Force SB Primer	3.1.1	1 per 4.0 ft ²	V-Force	One or more layers Min. 1.5-inch ISOGARD GL; optional Min. 0.5-inch Tapered ISOGARD GL; Min. 0.50-inch ISOGARD HD or Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Twin Jet Y, RIBBON or SPATTER	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-45.0*
ASPHALT AND/OR TORCH APPLIED BASE:											
SC-80.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with V-Force SB Primer	3.1.1	1 per 4.0 ft ²	V-Force	One or more layers Min. 1.5-inch ISOGARD GL; optional Min. 0.5-inch Tapered ISOGARD GL; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick or Twin Jet	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*



**TABLE 10E: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF), OR RECOVER
SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED TEMP ROOF, BONDED TOP INSULATION, BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	BASE INSULATION LAYER(S) (3.1.2)			TEMP ROOF	TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)		TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
SC-81.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with V-Force SB Primer	3.1.1	1 per 4.0 ft ²	V-Force	One or more layers Min. 1.5-inch ISOGARD GL; optional Min. 0.5-inch Tapered ISOGARD GL; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Twin Jet Y, RIBBON or SPATTER	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
SELF-ADHERING BASE:											
SC-82.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with V-Force SB Primer	3.1.1	1 per 4.0 ft ²	V-Force	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	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
SC-83.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with V-Force SB Primer	3.1.1	1 per 4.0 ft ²	V-Force	One or more layers Min. 1.5-inch ISOGARD GL; optional Min. 0.5-inch Tapered ISOGARD GL; Min. 0.50-inch ISOGARD HD or Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick or Twin Jet	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
SC-84.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with V-Force SB Primer	3.1.1	1 per 4.0 ft ²	V-Force	One or more layers Min. 1.5-inch ISOGARD GL; optional Min. 0.5-inch Tapered ISOGARD GL	Twin Jet Y, RIBBON or SPATTER	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
SC-85.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch Dens Deck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with V-Force SB Primer	3.1.1	1 per 4.0 ft ²	V-Force	One or more layers Min. 1.5-inch ISOGARD GL; optional Min. 0.5-inch Tapered ISOGARD GL; Min. 0.50-inch ISOGARD HD or Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Twin Jet Y, RIBBON or SPATTER	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*



TABLE 10F: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF), OR RECOVER SYSTEM TYPE C-1: INSULATED, MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

Table with columns: SYSTEM NO., DECK (4.1.2), BASE INSULATION LAYER (3.1.2), TOP INSULATION LAYER (TYPE, FASTENER (3.1.1, 4.2.2), SPACING), ROOF COVER (3.1.4) (BASE PLY, PLY, CAP PLY), and MDP (PSF). Rows include SC-86 through SC-99 with various material and fastener specifications.



**TABLE 10F: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF), OR RECOVER
SYSTEM TYPE C-1: INSULATED, MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	PLY	CAP PLY	
SC-100.	Min. 22 ga., type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 2.3-inch ISOGARD GL	3.1.1	1 per 1.3 ft ²	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5
SC-101.	Min. 22 ga., type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 2.3-inch ISOGARD GL	3.1.1	1 per 1.3 ft ²	APP-CA	None	APP-CA	-52.5
SC-102.	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 1.3 ft ²	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5
SC-103.	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 1.3 ft ²	APP-CA	None	APP-CA	-52.5
SC-104.	Min. 22 ga. Type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL, long joints staggered 4 ft	3.1.1	1 per 1.8 ft ²	SBS-CA	None	SBS-CA	-60.0
SC-105.	Min. 22 ga. Type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD HD Composite, long joints staggered 4 ft	3.1.1	1 per 2.7 ft ²	SBS-CA	None	SBS-CA	-60.0
SC-106.	Min. 22 ga. Type B, Grade 33 steel	One or more layers, min. 0.5-inch, any combination, loose laid	Min. 1-inch ISOGARD CG or min. 0.5-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board, long joints staggered 4 ft	3.1.1	1 per 1.6 ft ²	SBS-CA	None	SBS-CA	-67.5
SC-107.	Min. 22 ga. Type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD HD Composite, long joints staggered 4 ft	3.1.1	1 per 1.8 ft ²	SBS-CA	None	SBS-CA	-75.0
SC-108.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.45 ft ²	SBS-CA	None	SBS-CA	-90.0
COLD-APPLIED BASE; ELEVATE LIQUIGARD MEMBRANE ADHESIVE:									
SC-109.	Min. 22 ga., Type B, Grade 33 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 2.7 ft ²	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-45.0*
SC-110.	Min. 22 ga., Type B, Grade 33 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	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-45.0*
SC-111.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch Dens Deck Prime or min. 0.5-inch ISOGARD HD	3.1.1	1 per 2.7 ft ²	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-45.0*
SC-112.	Min. 22 ga., Type B, Grade 33 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	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-60.0
SC-113.	Min. 22 ga. Type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD HD Composite, long joints staggered 4 ft	3.1.1	1 per 2.7 ft ²	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-60.0
SC-114.	Min. 22 ga. Type B, Grade 33 steel	One or more layers, min. 0.5-inch, any combination, loose laid	Min. 1-inch ISOGARD CG or min. 0.5-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board, long joints staggered 4 ft	3.1.1	1 per 1.6 ft ²	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-67.5



**TABLE 10F: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF), OR RECOVER
SYSTEM TYPE C-1: INSULATED, MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	PLY	CAP PLY	
SC-115.	Min. 22 ga. Type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD HD Composite, long joints staggered 4 ft	3.1.1	1 per 1.8 ft ²	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-75.0
SC-116.	Min. 22 ga., Type B, Grade 33 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	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-82.5
SC-117.	Min. 22 ga., Type B, Grade 33 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	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-90.0
SC-118.	Min. 22 ga., Type B, Grade 33 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	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-97.5
SC-119.	Min. 22 ga., Type B, Grade 33 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	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-112.5
SC-120.	Min. 22 ga., Type B, Grade 80 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	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-135.0
ASPHALT AND/OR TORCH APPLIED BASE:									
SC-121.	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. 0.25-inch Dens-Deck Prime	3.1.1	1 per 4.0 ft ²	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
SC-122.	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. 0.25-inch Dens Deck or 0.25-inch SECUROCK Gypsum Fiber Roof Board	3.1.1	1 per 2.0 ft ²	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
SC-123.	Min. 22 ga. Type B, Grade 33 steel	One or more layers, min. 1-inch, any combination, loose laid	Min. 0.5-inch Dens Deck Prime, long joints staggered 4 ft	3.1.1	1 per 1.3 ft ²	BP-AA, SBS-AA, SBS-TA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-67.5
SC-124.	Min. 22 ga. Type B, Grade 33 steel	One or more layers, min. 1-inch, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board, long joints staggered 4 ft	3.1.1	1 per 1.8 ft ²	BP-AA, SBS-AA, SBS-TA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-67.5
SC-125.	Min. 22 ga. Type B, Grade 33 steel	One or more layers, min. 1-inch, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, long joints staggered 4 ft	3.1.1	1 per 1.8 ft ²	BP-AA, SBS-AA, SBS-TA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-75.0
SC-126.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	Min. 0.5-inch Dens-Deck Prime	3.1.1	1 per 1.3 ft ²	SBS-TA	None	SBS-TA	-97.5



**TABLE 10F: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF), OR RECOVER
SYSTEM TYPE C-1: INSULATED, MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	PLY	CAP PLY	
SC-127.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.2-inch ISOGARD GL	Min. 0.5-inch Dens-Deck Prime	3.1.1	1 per 1.3 ft ²	BP-AA or SBS-AA	One or more BP-AA or SBS-AA	SBS-AA	-112.5
SC-128.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	Min. 0.5-inch Dens-Deck Prime	3.1.1	1 per 1.0 ft ²	SBS-TA	None	SBS-TA	-127.5
SC-129.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ISOGARD GL	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.0 ft ²	SBS-TA	(Optional) SBS-TA	SBS-TA	-150.0
SC-130.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.2-inch ISOGARD GL	Min. 0.5-inch Dens-Deck Prime	3.1.1	1 per 1.0 ft ²	BP-AA or SBS-AA	One or more BP-AA or SBS-AA	SBS-AA	-157.5
SC-131.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.2-inch ISOGARD GL	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.3 ft ²	BP-AA or SBS-AA	One or more BP-AA or SBS-AA	SBS-AA	-157.5
SC-132.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.2-inch ISOGARD GL	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.0 ft ²	BP-AA or SBS-AA	One or more BP-AA or SBS-AA	SBS-AA	-172.5
SELF-ADHERING BASE:									
SC-133.	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 Dens-Deck Prime	3.1.1	1 per 2.0 ft ²	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
SC-134.	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 Dens-Deck Prime	3.1.1	1 per 2.0 ft ²	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-45.0*
SC-135.	Min. 22 ga., type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 2.2-inch ISOGARD GL	3.1.1	1 per 4.0 ft ²	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
SC-136.	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 4.0 ft ²	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
SC-137.	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 2.7 ft ²	BASEGARD SA	(Optional) SBS-TA	SBS-TA	-45.0*
SC-138.	Min. 22 ga., type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 2.2-inch ISOGARD GL	3.1.1	1 per 4.0 ft ²	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-45.0*
SC-139.	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 4.0 ft ²	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-45.0*



**TABLE 10F: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF), OR RECOVER
SYSTEM TYPE C-1: INSULATED, MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	PLY	CAP PLY	
SC-140.	Min. 22 ga., Type B, Grade 33 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	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
SC-141.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch ISOGARD HD	3.1.1	1 per 2.7 ft ²	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
SC-142.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD HD Composite	3.1.1	1 per 4.0 ft ²	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
SC-143.	Min. 22 ga., Type B, Grade 33 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	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-45.0*
SC-144.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch ISOGARD HD	3.1.1	1 per 2.7 ft ²	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-45.0*
SC-145.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD HD Composite	3.1.1	1 per 4.0 ft ²	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-45.0*
SC-146.	Min. 22 ga. Type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL	3.1.1	1 per 2.7 ft ²	BASEGARD SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-45.0
SC-147.	Min. 22 ga. Type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD GL	3.1.1	1 per 1.8 ft ²	BASEGARD SA	(Optional) SBS-AA or SBS-TA	SBS-AA or SBS-TA	-60.0
SC-148.	Min. 22 ga. Type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD HD Composite, long joints staggered 4 ft	3.1.1	1 per 2.7 ft ²	BASEGARD SA	(Optional) SBS-AA or SBS-TA	SBS-AA or SBS-TA	-60.0
SC-149.	Min. 22 ga. Type B, Grade 33 steel	One or more layers, min. 0.5-inch, any combination, loose laid	Min. 1-inch ISOGARD CG or min. 0.5-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board, long joints staggered 4 ft	3.1.1	1 per 1.6 ft ²	BASEGARD SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-67.5
SC-150.	Min. 22 ga. Type B, Grade 33 steel	One or more layers, min. 1-inch, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board, long joints staggered 4 ft	3.1.1	1 per 1.8 ft ²	BASEGARD SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-67.5
SC-151.	Min. 22 ga. Type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD HD Composite, long joints staggered 4 ft	3.1.1	1 per 1.8 ft ²	BASEGARD SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-75.0
SC-152.	Min. 22 ga. Type B, Grade 33 steel	One or more layers, any combination, loose laid	Min. 0.5-inch Dens Deck Prime	3.1.1	1 per 1.3 ft ²	BASEGARD SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-75.0



TABLE 10F: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF), OR RECOVER									
SYSTEM TYPE C-1: INSULATED, MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER									
SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	PLY	CAP PLY	
SC-153.	Min. 22 ga. Type B, Grade 33 steel	One or more layers, min. 1-inch, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, long joints staggered 4 ft	3.1.1	1 per 1.8 ft ²	BASEGARD SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-75.0

TABLE 10G: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF), OR RECOVER									
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED ANCHOR SHEET, BONDED ROOF COVER									
SYSTEM NO.	DECK (4.1.2)	INSULATION LAYER(S) (3.1.2)		BASE OR ANCHOR SHEET			ROOF COVER (3.1.4)		MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	CAP PLY	
COLD-APPLIED; ELEVATE MULTI-PURPOSE MB COLD ADHESIVE:									
SC-154.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Loose-laid	SBS Base, SBS Premium Base	SFS Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8 plate	18-inch o.c. at the 3-inch side lap and 12-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) BP-CA or SBS-CA	SBS-CA	-45.0*
SC-155.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Loose-laid	MB Base, Channel Venting Base	3.1.1	12-inch o.c. at the 4-inch side lap and 12-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) BP-CA or SBS-CA	SBS-CA or APP-CA	-45.0*
SC-156.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. Attached	SBS Poly Base	Elevate All Purpose Fastener with MB 2" Barbed Metal Lap Plate	12-inch o.c. within the 4-inch torch side lap	None	SBS-CA or APP-CA	-45.0*
SC-157.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch ISOGARD GL or ISO 300	Loose-laid	SBS Poly Torch Base	Elevate Heavy-Duty Plus with Elevate Coiled Metal Batten Strip	12-inch o.c. through the batten strips within the 3-inch torched laps spaced 36.5-inch o.c.	None	SBS-CA (polyester only) or APP-CA	-67.5
SC-158.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch ISOGARD GL or ISO 300	Loose-laid	SBS Poly Torch Base	Elevate Heavy-Duty Plus with Elevate Coiled Metal Batten Strip	6-inch o.c. through the batten strips within the 3-inch torched laps spaced 36.5-inch o.c.	None	SBS-CA (polyester only) or APP-CA	-112.5



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

SYSTEM NO.	DECK (4.1.2)	INSULATION LAYER(S) (3.1.2)		BASE OR ANCHOR SHEET			ROOF COVER (3.1.4)		MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	CAP PLY	
SC-159.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch ISO GARD GL or ISO 300	Loose-laid	SBS Poly Torch Base	Elevate Heavy-Duty Plus with Elevate Coiled Metal Batten Strip	6-inch o.c. through the batten strips within the 3-inch torched laps spaced 36.5-inch o.c.	None	SBS-CA (polyester only) or APP-CA	-127.5
COLD-APPLIED; ELEVATE LIQUIGARD MEMBRANE ADHESIVE:									
SC-160.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. Attached	MB Base, Channel Venting Base, SBS Base, SBS PolyBase, SBS Premium Base	3.1.1	18-inch o.c. at the min. 3-inch side lap and 18-inch o.c. at one staggered row in the center of the sheet	(Optional)SBS-CA2	SBS-CA2	-45.0*
SC-161.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Loose-laid	MB Base, Channel Venting Base, SBS Base, SBS PolyBase, SBS Premium Base	3.1.1	12-inch o.c. at the min. 4-inch side lap and 12-inch o.c. at two, equally spaced staggered rows in the center of the sheet	SBS-CA2	SBS-CA	-60.0
ASPHALT AND/OR TORCH APPLIED:									
SC-162.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. Attached	MB Base, Channel Venting Base	3.1.1	18-inch o.c. at the 3-inch side lap and 36-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
SC-163.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination	Prelim. Attached	SBS Poly Torch Base	Elevate All Purpose Fastener with MB 2" Barbed Metal Lap Plate	18-inch o.c. within the 4-inch torched side lap.	(Optional) SBS-TA	SBS-TA	-45.0*
SC-164.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination	Prelim. Attached	SBS Poly Base	Elevate HD Fastener with Elevate Coiled Metal Batten Strip	18-inch o.c. through the batten strips at the 4-inch laps	One or more BP-AA, SBS-AA or SBS-TA	SBS-AA or SBS-TA	-52.5
SC-165.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. Attached	SBS Poly Torch Base	Elevate HD Fastener with Elevate Batten Strips	12-inch o.c. through the batten strips within the 4-inch wide torched laps	(Optional) SBS-TA	SBS-TA (polyester only)	-67.5



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

SYSTEM NO.	DECK (4.1.2)	INSULATION LAYER(S) (3.1.2)		BASE OR ANCHOR SHEET			ROOF COVER (3.1.4)		MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	CAP PLY	
SC-166.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. Attached	MB Base, Channel Venting Base or Venting Base Sheet	3.1.1	12-inch o.c. at the 4-inch side lap and 12-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA or SBS-TA	SBS-AA or SBS-TA	-82.5
SC-167.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. Attached	SBS Poly Torch Base	Elevate HD Plus Fastener with Elevate Coiled Metal Batten Strip	6-inch o.c. through the batten strips within the 4-inch torched laps	(Optional) SBS-TA	SBS-TA (polyester only)	-157.5
SELF-ADHERING BASE:									
SC-168.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination	Prelim. Attached	SBS Poly Base	Elevate HD Fastener with Elevate Coiled Metal Batten Strip	18-inch o.c. through the batten strips at the 4-inch laps	BASEGARD SA	SBS-AA or SBS-TA	-52.5



TABLE 11A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [Table 8a](#) FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
COLD-APPLIED BASE; ELEVATE MULTI-PURPOSE MB COLD ADHESIVE:										
C-1.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch ISOGARD CG	I.S.O. Stick, I.S.O. Spray R, I.S.O. Twin Pack, or Twin Jet	Optional additional layers or base insulation and/or min. 0.5-inch Tapered ISOGARD CG	I.S.O. Stick, I.S.O. Spray R, I.S.O. Twin Pack, or Twin Jet	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5
C-2.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch ISOGARD CG	I.S.O. Stick, I.S.O. Spray R, I.S.O. Twin Pack, or Twin Jet	Optional additional layers or base insulation and/or min. 0.5-inch Tapered ISOGARD CG	I.S.O. Stick, I.S.O. Spray R, I.S.O. Twin Pack, or Twin Jet	APP-CA	None	APP-CA	-52.5
C-3.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch ISOGARD GL	I.S.O. Stick, I.S.O. Spray R, I.S.O. Twin Pack, or Twin Jet	(Optional) Additional layers of min. 1-inch base insulation and/or min. 0.5-inch Tapered ISOGARD GL followed by 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, or Twin Jet	SBS-CA	(Optional) SBS-CA	SBS-CA	-60.0
C-4.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch ISOGARD GL	I.S.O. Stick, I.S.O. Spray R, I.S.O. Twin Pack, or Twin Jet	(Optional) Additional layers of min. 1-inch base insulation and/or min. 0.5-inch Tapered ISOGARD GL followed by 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, or Twin Jet	APP-CA	None	APP-CA	-60.0
C-5.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch ISOGARD GL	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack, Twin Jet or Polyset CRA	(Optional) One or more layers base insulation	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack, Twin Jet or Polyset CRA	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5
C-6.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch ISOGARD GL	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack, Twin Jet or Polyset CRA	(Optional) One or more layers base insulation	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack, Twin Jet or Polyset CRA	APP-CA	None	APP-CA	-67.5
C-7.	Min. 2,500 psi structural concrete	Optional ASTM D41	(Optional) One or more layers of min. 1.5-inch ISOGARD GL	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Min. 0.5-inch ISOGARD HD	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5



**TABLE 11A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO [Table 8a](#) FOR VAPOR BARRIER OPTIONS**

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
C-8.	Min. 2,500 psi structural concrete	Optional ASTM D41	(Optional) One or more layers of min. 1.5-inch ISO GARD GL	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	Min. 0.5-inch ISO GARD HD	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack; Twin Jet	APP-CA	None	APP-CA	-67.5
C-9.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISO GARD GL	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack, Twin Jet or Polyset CRA	(Optional) One or more layers base insulation	I.S.O. Stick; I.S.O. Spray R; I.S.O. Twin Pack, Twin Jet or Polyset CRA	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-82.5
C-10.	Min. 2,500 psi structural concrete	None	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	None	N/A	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-144.5
C-11.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch ISO GARD CG	Twin Jet Y, SPATTER	Optional additional layers or base insulation and/or min. 0.5-inch Tapered ISO GARD CG	Twin Jet Y, SPATTER	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0
C-12.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch ISO GARD CG	Twin Jet Y, SPATTER	Optional additional layers or base insulation and/or min. 0.5-inch Tapered ISO GARD CG	Twin Jet Y, SPATTER	APP-CA	None	APP-CA	-45.0
C-13.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch ISO GARD GL	Twin Jet Y, SPATTER	(Optional) Additional layers of min. 1-inch base insulation and/or min. 0.5-inch Tapered ISO GARD GL followed by min. 0.5-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, SPATTER	SBS-CA	(Optional) SBS-CA	SBS-CA	-45.0
C-14.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch ISO GARD GL	Twin Jet Y, SPATTER	(Optional) Additional layers of min. 1-inch base insulation and/or min. 0.5-inch Tapered ISO GARD GL followed by min. 0.5-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, SPATTER	APP-CA	None	APP-CA	-45.0
C-15.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch ISO GARD GL	Twin Jet Y, SPATTER	(Optional) One or more layers base insulation	Twin Jet Y, SPATTER	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0



TABLE 11A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [Table 8a](#) FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
C-16.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch ISOGARD GL	Twin Jet Y, SPATTER	(Optional) One or more layers base insulation	Twin Jet Y, SPATTER	APP-CA	None	APP-CA	-45.0
C-17.	Min. 2,500 psi structural concrete	Optional ASTM D41	(Optional) One or more layers of min. 1.5-inch ISOGARD GL	Twin Jet Y, SPATTER	Min. 0.5-inch ISOGARD HD	Twin Jet Y, SPATTER	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0
C-18.	Min. 2,500 psi structural concrete	Optional ASTM D41	(Optional) One or more layers of min. 1.5-inch ISOGARD GL	Twin Jet Y, SPATTER	Min. 0.5-inch ISOGARD HD	Twin Jet Y, SPATTER	APP-CA	None	APP-CA	-45.0
C-19.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Twin Jet Y, SPATTER	(Optional) One or more layers base insulation	Twin Jet Y, SPATTER	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0
C-20.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, SPATTER	None	Twin Jet Y, SPATTER	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-45.0
C-21.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers or base insulation and/or min. 0.5-inch Tapered ISOGARD CG	Twin Jet Y, RIBBON	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5
C-22.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers or base insulation and/or min. 0.5-inch Tapered ISOGARD CG	Twin Jet Y, RIBBON	APP-CA	None	APP-CA	-52.5
C-23.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	(Optional) Additional layers of min. 1-inch base insulation and/or min. 0.5-inch Tapered ISOGARD GL followed by min. 0.5-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	SBS-CA	(Optional) SBS-CA	SBS-CA	-60.0



TABLE 11A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [Table 8a](#) FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
C-24.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	(Optional) Additional layers of min. 1-inch base insulation and/or min. 0.5-inch Tapered ISOGARD GL followed by min. 0.5-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	APP-CA	None	APP-CA	-60.0
C-25.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	(Optional) One or more layers base insulation	Twin Jet Y, RIBBON	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5
C-26.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	(Optional) One or more layers base insulation	Twin Jet Y, RIBBON	APP-CA	None	APP-CA	-67.5
C-27.	Min. 2,500 psi structural concrete	Optional ASTM D41	(Optional) One or more layers of min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	Min. 0.5-inch ISOGARD HD	Twin Jet Y, RIBBON	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5
C-28.	Min. 2,500 psi structural concrete	Optional ASTM D41	(Optional) One or more layers of min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	Min. 0.5-inch ISOGARD HD	Twin Jet Y, RIBBON	APP-CA	None	APP-CA	-67.5
C-29.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	(Optional) One or more layers base insulation	Twin Jet Y, RIBBON	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-82.5
C-30.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	None	Twin Jet Y, RIBBON	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-144.5
COLD-APPLIED BASE; ELEVATE LIQUIGARD MEMBRANE COLD ADHESIVE:										
C-31.	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	LiquiGard	Min. 0.25-inch Dens Deck or 0.25-inch SECUROCK Gypsum Fiber Roof Board	LiquiGard	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-255.0



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FL984-R17



ISO/IEC 17065

PCA-145

TABLE 11A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [Table 8a](#) FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
C-32.	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	LiquiGard	(Optional) One or more layers base insulation	LiquiGard	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-292.5
C-33.	Min. 2,500 psi structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	LiquiGard	Min. 0.5-inch ISOGARD HD	LiquiGard	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-292.5
C-34.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick; I.S.O. Twin Pack; Twin Jet	None	N/A	SBS-CA2	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-400.0
C-35.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, SPATTER	None	N/A	SBS-CA2	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-45.0
C-36.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	None	N/A	SBS-CA2	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-217.5
ASPHALT AND/OR TORCH APPLIED:										
C-37.	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISOGARD GL	Hot Asphalt	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Hot Asphalt	BP-AA or SBS-AA	(Optional) SBS-TA	SBS-TA	-45.0
C-38.	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISOGARD GL	Hot asphalt	Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Hot asphalt	BP-AA or SBS-AA	(Optional) SBS-AA	SBS-AA	-120.0
C-39.	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISOGARD GL	Hot asphalt	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Hot asphalt	SBS-TA	(Optional) SBS-TA	SBS-TA	-127.5
C-40.	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISOGARD GL	Hot Asphalt	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-225.0



TABLE 11A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [Table 8a](#) FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
C-41.	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISOGARD GL	Hot Asphalt	Min. 0.5-inch Structodek High Density Fiberboard	Hot Asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-520.0
C-42.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	SBS-TA	(Optional) SBS-TA	SBS-TA	-127.5
C-43.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch ISOGARD GL	I.S.O. Spray R; I.S.O. Twin Pack	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R; I.S.O. Twin Pack	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-157.5
C-44.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	None	N/A	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-400.0
C-45.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	None	N/A	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-462.5
C-46.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick or Twin Jet	SBS-TA	(Optional) SBS-TA	SBS-TA	-127.5
C-47.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-225.0
C-48.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet	None	N/A	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-400.0



TABLE 11A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO Table 8a FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
C-49.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet	None	N/A	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-462.5
C-50.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch, min. 1.25 pcf Insulfoam	Polyset CRA	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-87.5
C-51.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Polyset CRA	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Polyset CRA	SBS-TA	(Optional) SBS-TA	SBS-TA	-127.5
C-52.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch, min. 1.5 pcf Insulfoam	Polyset CRA	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-180.0
C-53.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Polyset CRA	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-225.0
C-54.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch, min. 2.0 pcf Insulfoam	Polyset CRA	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-225.0
C-55.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Twin Jet Y, SPATTER	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Twin Jet Y, SPATTER	SBS-TA	(Optional) SBS-TA	SBS-TA	-45.0



TABLE 11A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [Table 8a](#) FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
C-56.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Twin Jet Y, SPATTER	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, SPATTER	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-45.0
C-57.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, SPATTER	None	N/A	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-45.0
C-58.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, SPATTER	None	N/A	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-45.0
C-59.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Twin Jet Y, RIBBON	SBS-TA	(Optional) SBS-TA	SBS-TA	-127.5
C-60.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-217.5
C-61.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	None	N/A	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-217.5
C-62.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	None	N/A	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-217.5
SELF-ADHERING BASE:										
C-63.	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch ISOGARD GL	Hot asphalt	Min. 0.5-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	BASEGARD SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-82.5



TABLE 11A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO Table 8a FOR VAPOR BARRIER OPTIONS

Table with 11 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) (BASE PLY, PLY, CAP PLY), and MDP (PSF). Rows C-64 through C-73 detail various construction scenarios with material specifications and load requirements.



TABLE 11A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)										
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER										
REFER TO Table 8a FOR VAPOR BARRIER OPTIONS										
SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
C-74.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD CG	I.S.O. Stick or Twin Jet	Optional additional layers or base insulation and/or min. 0.5-inch Tapered ISOGARD CG	I.S.O. Stick or Twin Jet	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-202.5
C-75.	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 ISOGARD HD	I.S.O. Stick or Twin Jet	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-187.5
C-76.	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 ISOGARD HD	I.S.O. Stick or Twin Jet	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-217.5
C-77.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board primed with Elevate SA Primer	I.S.O. Stick or Twin Jet	None	N/A	BASEGARD SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA or SBS-TA	-400.0
C-78.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Polysat CRA	Tapered ISOGARD GL	Polysat CRA	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-112.5
C-79.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Polysat CRA	Tapered ISOGARD GL	Polysat CRA	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-112.5
C-80.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Polysat CRA	(Optional) One or more layers base insulation	Polysat CRA	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-247.5
C-81.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Polysat CRA	(Optional) One or more layers base insulation	Polysat CRA	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-210.0
C-82.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	(Optional) One or more layers base insulation	Twin Jet Y, RIBBON	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0
C-83.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	(Optional) One or more layers base insulation	Twin Jet Y, RIBBON	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-45.0



TABLE 11A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)											
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER											
REFER TO Table 8a FOR VAPOR BARRIER OPTIONS											
SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)	
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY		
C-84.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers or base insulation and/or min. 0.5-inch Tapered ISOGARD CG	Twin Jet Y, RIBBON	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-45.0	
C-85.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD CG	Twin Jet Y, RIBBON	Optional additional layers or base insulation and/or min. 0.5-inch Tapered ISOGARD CG	Twin Jet Y, RIBBON	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0	
C-86.	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 ISOGARD HD	Twin Jet Y, RIBBON	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-45.0	
C-87.	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 ISOGARD HD	Twin Jet Y, RIBBON	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0	
C-88.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board primed with Elevate SA Primer	Twin Jet Y, RIBBON	None	N/A	BASEGARD SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA or SBS-TA	-45.0	
C-89.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Twin Jet Y, SPRAY	(Optional) One or more layers base insulation	Twin Jet Y, SPRAY	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-210.0	
C-90.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD GL	Twin Jet Y, SPRAY	(Optional) One or more layers base insulation	Twin Jet Y, SPRAY	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-217.5	
C-91.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD CG	Twin Jet Y, SPRAY	Optional additional layers or base insulation and/or min. 0.5-inch Tapered ISOGARD CG	Twin Jet Y, SPRAY	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-187.5	
C-92.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch ISOGARD CG	Twin Jet Y, SPRAY	Optional additional layers or base insulation and/or min. 0.5-inch Tapered ISOGARD CG	Twin Jet Y, SPRAY	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-202.5	
C-93.	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch ISOGARD GL	Twin Jet Y, SPRAY	Min. 0.5-inch ISOGARD HD	Twin Jet Y, SPRAY	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-187.5	



TABLE 11A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
 REFER TO [Table 8a](#) FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
C-94.	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch ISOGARD GL	Twin Jet Y, SPRAY	Min. 0.5-inch ISOGARD HD	Twin Jet Y, SPRAY	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-217.5
C-95.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board primed with Elevate SA Primer	Twin Jet Y, SPRAY	None	N/A	BASEGARD SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA or SBS-TA	-217.5

TABLE 11B: 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	PLY	CAP PLY	
COLD-APPLIED BASE; ELEVATE MULTI-PURPOSE MB COLD ADHESIVE:						
C-96.	Min. 2,500 psi structural concrete	ASTM D41	BP-CA or SBS-CA	(Optional) BP-CA	SBS-CA	-67.5
C-97.	Min. 2,500 psi structural concrete	ASTM D41	APP-CA	None	APP-CA	-127.5
C-98.	Min. 2,500 psi structural concrete	None	SBS-CA	None	SBS-CA	-142.5
C-99.	Min. 2,500 psi structural concrete	ASTM D41	SBS-CA (excluding SBS Smooth)	None	SBS-CA	-180.0
C-100.	Min. 2,500 psi structural concrete	ASTM D41	SBS-CA	None	APP-CA	-225.0
COLD-APPLIED BASE; ELEVATE LIQUIGARD MEMBRANE ADHESIVE:						
C-101.	Min. 2,500 psi structural concrete	None	BP-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-337.5
C-102.	Min. 2,500 psi structural concrete	None	MB Base in LiquiGard or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-495.0
ASPHALT AND/OR TORCH APPLIED BASE:						
C-103.	Min. 2,500 psi structural concrete	ASTM D41	APP-TA	(Optional) APP-TA	APP-TA	-312.5
C-104.	Min. 2,500 psi structural concrete	ASTM D41	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	APP-TA	-522.5
C-105.	Min. 2,500 psi structural concrete	ASTM D41	BP-AA or SBS-AA	(Optional) One or more BP-AA or SBS-AA	SBS-AA	-547.5
SELF-ADHERING BASE:						
C-106.	Min. 2,500 psi structural concrete	ASTM D41	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-202.5
C-107.	Min. 2,500 psi structural concrete	ASTM D41	BASEGARD SA	(Optional) SBS-TA	SBS-TA	-232.5



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: LWC TO DECK, 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 (PSE)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
COLD-APPLIED BASE; ELEVATE MULTI-PURPOSE MB COLD ADHESIVE:										
CELCORE:										
LWC-1.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick or Twin Jet	BP-CA, SBS-CA or APP-CA	None	APP-CA	-37.5 (NO FBC HVHZ)
LWC-2.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick or Twin Jet	SBS-CA	(Optional) SBS-CA	SBS-CA	-37.5 (NO FBC HVHZ)
LWC-3.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD CG	I.S.O. Stick or Twin Jet	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Stick or Twin Jet	BP-CA, SBS-CA or APP-CA	None	APP-CA	-52.5
LWC-4.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD CG	I.S.O. Stick or Twin Jet	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Stick or Twin Jet	SBS-CA	(Optional) SBS-CA	SBS-CA	-52.5
LWC-5.	Min. 2,500 psi structural concrete	Min. 200 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	(Optional) One or more layers base insulation	I.S.O. Stick or Twin Jet	BP-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5
LWC-6.	Min. 2,500 psi structural concrete	Min. 200 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	(Optional) One or more layers base insulation	I.S.O. Stick or Twin Jet	APP-CA	None	APP-CA	-67.5
LWC-7.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISOGARD GL	I.S.O. Stick or Twin Jet	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Stick or Twin Jet	BP-CA, SBS-CA or APP-CA	None	APP-CA	-67.5



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: LWC TO DECK, 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 (PSE)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
LWC-8.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Min. 2-inch ISOGARD HD Composite	I.S.O. Stick or Twin Jet	BP-CA, SBS-CA or APP-CA	None	APP-CA	-67.5
LWC-9.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Min. 2-inch ISOGARD HD Composite	I.S.O. Stick or Twin Jet	SBS-CA	(Optional) SBS-CA	SBS-CA	-67.5
LWC-10.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch ISOGARD HD	I.S.O. Stick or Twin Jet	BP-CA, SBS-CA or APP-CA	None	APP-CA	-67.5
LWC-11.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch ISOGARD HD	I.S.O. Stick or Twin Jet	SBS-CA	(Optional) SBS-CA	SBS-CA	-67.5
LWC-12.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISOGARD GL	I.S.O. Stick or Twin Jet	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Stick or Twin Jet	SBS-CA	(Optional) SBS-CA	SBS-CA	-82.5
LWC-13.	Min. 2,500 psi structural concrete	Min. 200 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	(Optional) One or more layers base insulation	I.S.O. Stick or Twin Jet	SBS-CA	None	SBS-CA	-82.5
LWC-14.	Min. 2,500 psi structural concrete	Min. 277 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD	I.S.O. Stick or Twin Jet	None	N/A	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-106.0



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: LWC TO DECK, 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 (PSE)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
LWC-15.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack	BP-CA, SBS-CA or APP-CA	None	APP-CA	-37.5 (NO FBC HVHZ)
LWC-16.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack	SBS-CA	(Optional) SBS-CA	SBS-CA	-37.5 (NO FBC HVHZ)
LWC-17.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISOGARD CG	I.S.O. Twin Pack	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Twin Pack	BP-CA, SBS-CA or APP-CA	None	APP-CA	-52.5
LWC-18.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISOGARD GL	I.S.O. Twin Pack	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Twin Pack	SBS-CA	(Optional) SBS-CA	SBS-CA	-52.5
LWC-19.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISOGARD GL	I.S.O. Twin Pack	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Twin Pack	BP-CA, SBS-CA or APP-CA	None	APP-CA	-67.5
LWC-20.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 2-inch ISOGARD HD Composite	I.S.O. Twin Pack	BP-CA, SBS-CA or APP-CA	None	APP-CA	-67.5



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: LWC TO DECK, 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 (PSE)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
LWC-21.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 2-inch ISOGARD HD Composite	I.S.O. Twin Pack	SBS-CA	(Optional) SBS-CA	SBS-CA	-67.5
LWC-22.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	BP-CA, SBS-CA or APP-CA	None	APP-CA	-67.5
LWC-23.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	SBS-CA	(Optional) SBS-CA	SBS-CA	-67.5
LWC-24.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISOGARD GL	I.S.O. Twin Pack	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Twin Pack	SBS-CA	(Optional) SBS-CA	SBS-CA	-82.5
LWC-25.	Min. 2,500 psi structural concrete	Min. 277 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	None	N/A	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-106.0
LWC-26.	Min. 2,500 psi structural concrete	Min. 200 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL	Polyset CRA	(Optional) One or more layers base insulation	Polyset CRA	BP-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5
LWC-27.	Min. 2,500 psi structural concrete	Min. 200 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL	Polyset CRA	(Optional) One or more layers base insulation	Polyset CRA	APP-CA	None	APP-CA	-67.5



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: LWC TO DECK, 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 (PSE)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
LWC-28.	Min. 2,500 psi structural concrete	Min. 200 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL	Polyset CRA	(Optional) One or more layers base insulation	Polyset CRA	SBS-CA	None	SBS-CA	-82.5
LWC-29.	Min. 2,500 psi structural concrete	Min. 277 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	None	N/A	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-106.0
ELASTIZELL:										
LWC-30.	Min. 2,500 psi structural concrete	Min. 160 psi Elastizell	Min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	(Optional) One or more layers base insulation	I.S.O. Stick or Twin Jet	BP-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5
LWC-31.	Min. 2,500 psi structural concrete	Min. 160 psi Elastizell Lightweight Insulating Concrete	Min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	(Optional) One or more layers base insulation	I.S.O. Stick or Twin Jet	APP-CA	None	APP-CA	-67.5
LWC-32.	Min. 2,500 psi structural concrete	Min. 160 psi Elastizell Lightweight Insulating Concrete	Min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	(Optional) One or more layers base insulation	I.S.O. Stick or Twin Jet	SBS-CA	None	SBS-CA	-82.5
LWC-33.	Min. 2,500 psi structural concrete	Min. 415 psi Elastizell Lightweight Insulating Concrete with Zell-Crete Fibers	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD	I.S.O. Stick or Twin Jet	None	N/A	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-144.5
LWC-34.	Min. 2,500 psi structural concrete	Min. 200 psi Elastizell Lightweight Insulating Concrete	Min. 1.5-inch ISOGARD GL	Polyset CRA	(Optional) One or more layers base insulation	Polyset CRA	BP-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5
LWC-35.	Min. 2,500 psi structural concrete	Min. 200 psi Elastizell Lightweight Insulating Concrete	Min. 1.5-inch ISOGARD GL	Polyset CRA	(Optional) One or more layers base insulation	Polyset CRA	APP-CA	None	APP-CA	-67.5
LWC-36.	Min. 2,500 psi structural concrete	Min. 200 psi Elastizell Lightweight Insulating Concrete	Min. 1.5-inch ISOGARD GL	Polyset CRA	(Optional) One or more layers base insulation	Polyset CRA	SBS-CA	None	SBS-CA	-82.5



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: LWC TO DECK, 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)	BASE PLY	PLY	CAP PLY	
LWC-37.	Min. 2,500 psi structural concrete	Min. 415 psi Elastzell Lightweight Insulating Concrete with Zell-Crete Fibers	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	None	N/A	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-144.5
MEARLCRETE:										
LWC-38.	Min. 2,500 psi structural concrete	Min. 200 psi Mearlcrete	Min. 1.5-inch ISOGARD GL	Polyset CRA	(Optional) One or more layers base insulation	Polyset CRA	BP-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5
LWC-39.	Min. 2,500 psi structural concrete	Min. 200 psi Mearlcrete	Min. 1.5-inch ISOGARD GL	Polyset CRA	(Optional) One or more layers base insulation	Polyset CRA	APP-CA	None	APP-CA	-67.5
LWC-40.	Min. 2,500 psi structural concrete	Min. 200 psi Mearlcrete	Min. 1.5-inch ISOGARD GL	Polyset CRA	(Optional) One or more layers base insulation	Polyset CRA	SBS-CA	None	SBS-CA	-82.5
PRE-EXISTENT CELLULAR CONCRETE (3.1.2):										
LWC-41.	Min. 2,500 psi structural concrete	Pre-existent Minimum 200 psi, minimum 2-inch thick Approved cellular LWIC. <i>Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 40 lbf when tested per Note 11.</i>	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD	I.S.O. Stick, I.S.O. Twin Pack, Twin Jet or Polyset CRA	None	N/A	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-76.5
COLD-APPLIED BASE; ELEVATE LIQUIGARD MEMBRANE ADHESIVE:										
CELCORE:										
LWC-42.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISOGARD GL	I.S.O. Stick or Twin Jet	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Stick or Twin Jet	BP-CA2, SBS-CA2	(Optional) BP-CA2, SBS-CA2	SBS-CA2	-187.5



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: LWC TO DECK, 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 (PSE)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
LWC-43.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD CG	I.S.O. Stick or Twin Jet	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Stick or Twin Jet	BP-CA2, SBS-CA2	(Optional) BP-CA2, SBS-CA2	SBS-CA2	-187.5
LWC-44.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Min. 2-inch ISOGARD HD Composite	I.S.O. Stick or Twin Jet	BP-CA2, SBS-CA2	(Optional) BP-CA2, SBS-CA2	SBS-CA2	-187.5
LWC-45.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch ISOGARD HD	I.S.O. Stick or Twin Jet	BP-CA2, SBS-CA2	(Optional) BP-CA2, SBS-CA2	SBS-CA2	-187.5
LWC-46.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick or Twin Jet	BP-CA2, SBS-CA2	(Optional) BP-CA2, SBS-CA2	SBS-CA2	-187.5
LWC-47.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Twin Pack	BP-CA2, SBS-CA2	(Optional) BP-CA2, SBS-CA2	SBS-CA2	-217.5
LWC-48.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 2-inch ISOGARD HD Composite	I.S.O. Twin Pack	BP-CA2, SBS-CA2	(Optional) BP-CA2, SBS-CA2	SBS-CA2	-217.5



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: LWC TO DECK, 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 (PSE)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
LWC-49.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	BP-CA2, SBS-CA2	(Optional) BP-CA2, SBS-CA2	SBS-CA2	-217.5
LWC-50.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack	BP-CA2, SBS-CA2	(Optional) BP-CA2, SBS-CA2	SBS-CA2	-217.5
ASPHALT AND/OR TORCH APPLIED BASE:										
CELCORE:										
LWC-51.	Min. 2,500 psi structural concrete	Min. 277 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet	None	N/A	BP-AA, SBS-AA, SBS-TA, APP-TA	(Optional) BP-AA, SBS-AA, SBS-TA, APP-TA	SBS-AA, SBS-TA, APP-TA	-106.0
LWC-52.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick or Twin Jet	SBS-TA	None	SBS-TA	-127.5
LWC-53.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick or Twin Jet	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA	SBS-AA	-157.5
LWC-54.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick or Twin Jet	APP-TA	None	APP-TA	-187.5



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: LWC TO DECK, 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)	BASE PLY	PLY	CAP PLY	
LWC-55.	Min. 2,500 psi structural concrete	Min. 277 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	None	N/A	BP-AA, SBS-AA, SBS-TA, APP-TA	(Optional) BP-AA, SBS-AA, SBS-TA, APP-TA	SBS-AA, SBS-TA, APP-TA	-106.0
LWC-56.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack	SBS-TA	None	SBS-TA	-127.5
LWC-57.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA	SBS-AA	-157.5
LWC-58.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack	APP-TA	None	APP-TA	-217.5
LWC-59.	Min. 2,500 psi structural concrete	Min. 277 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	None	N/A	BP-AA, SBS-AA, SBS-TA, APP-TA	(Optional) BP-AA, SBS-AA, SBS-TA, APP-TA	SBS-AA, SBS-TA, APP-TA	-106.0
ELASTIZELL:										
LWC-60.	Min. 2,500 psi structural concrete	Min. 415 psi Elastizell Lightweight Insulating Concrete with Zell-Crete Fibers	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet	None	N/A	BP-AA, SBS-AA, SBS-TA, APP-TA	(Optional) BP-AA, SBS-AA, SBS-TA, APP-TA	SBS-AA, SBS-TA, APP-TA	-144.5
LWC-61.	Min. 2,500 psi structural concrete	Min. 415 psi Elastizell Lightweight Insulating Concrete with Zell-Crete Fibers	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	None	N/A	BP-AA, SBS-AA, SBS-TA, APP-TA	(Optional) BP-AA, SBS-AA, SBS-TA, APP-TA	SBS-AA, SBS-TA, APP-TA	-144.5
PRE-EXISTENT CELLULAR CONCRETE (3.1.2):										



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: LWC TO DECK, 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)	BASE PLY	PLY	CAP PLY	
LWC-62.	Min. 2,500 psi structural concrete	Pre-existent Minimum 200 psi, minimum 2-inch thick Approved cellular LWIC. <i>Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 40 lbf when tested per Note 11.</i>	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick, I.S.O. Twin Pack, Twin Jet or Polyset CRA	None	N/A	BP-AA, SBS-AA, SBS-TA, APP-TA	(Optional) BP-AA, SBS-AA, SBS-TA, APP-TA	SBS-AA, SBS-TA, APP-TA	-76.5
SELF-ADHERING BASE:										
CELCORE:										
LWC-63.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick or Twin Jet	BASEGARD SA	(Optional) APP-TA	APP-TA	-45.0
LWC-64.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick or Twin Jet	None	N/A	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-82.5
LWC-65.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick or Twin Jet	SBS-SA	(Optional) SBS-TA	SBS-TA	-82.5
LWC-66.	Min. 2,500 psi structural concrete	Min. 277 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD	I.S.O. Stick or Twin Jet	None	N/A	BASEGARD SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-106.0
LWC-67.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISOGARD GL	I.S.O. Stick or Twin Jet	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Stick or Twin Jet	SBS-SA	(Optional) APP-TA	APP-TA	-112.5



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: LWC TO DECK, 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 (PSE)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
LWC-68.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.5-inch ISOGARD HD	I.S.O. Stick or Twin Jet	None	N/A	BASEGARD SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-172.5
LWC-69.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick or Twin Jet	None	N/A	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-177.5
LWC-70.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISOGARD GL or min. 1.5-inch ISOGARD CG	I.S.O. Stick or Twin Jet	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Stick or Twin Jet	SBS-SA	(Optional) SBS-TA	SBS-TA	-187.5
LWC-71.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISOGARD GL or min. 1.5-inch ISOGARD CG	I.S.O. Stick or Twin Jet	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Stick or Twin Jet	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-187.5
LWC-72.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD CG	I.S.O. Stick or Twin Jet	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Stick or Twin Jet	SBS-SA	(Optional) APP-TA	APP-TA	-187.5
LWC-73.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Min. 2-inch ISOGARD HD Composite	I.S.O. Stick or Twin Jet	SBS-SA	(Optional) APP-TA	APP-TA	-187.5



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: LWC TO DECK, 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 (PSE)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
LWC-74.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Min. 2-inch ISOGARD HD Composite	I.S.O. Stick or Twin Jet	SBS-SA	(Optional) SBS-TA	SBS-TA	-187.5
LWC-75.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Min. 2-inch ISOGARD HD Composite	I.S.O. Stick or Twin Jet	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-187.5
LWC-76.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch ISOGARD HD	I.S.O. Stick or Twin Jet	SBS-SA	(Optional) APP-TA	APP-TA	-187.5
LWC-77.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch ISOGARD HD	I.S.O. Stick or Twin Jet	SBS-SA	(Optional) SBS-TA	SBS-TA	-187.5
LWC-78.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch ISOGARD HD	I.S.O. Stick or Twin Jet	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-187.5
LWC-79.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or Twin Jet	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick or Twin Jet	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-187.5



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: LWC TO DECK, 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 (PSE)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
LWC-80.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack	BASEGARD SA	(Optional) APP-TA	APP-TA	-45.0
LWC-81.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack	SBS-SA	(Optional) SBS-TA	SBS-TA	-82.5
LWC-82.	Min. 2,500 psi structural concrete	Min. 277 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	None	N/A	BASEGARD SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-106.0
LWC-83.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISOGARD GL	I.S.O. Twin Pack	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Twin Pack	SBS-SA	(Optional) APP-TA	APP-TA	-112.5
LWC-84.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISOGARD CG	I.S.O. Twin Pack	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Twin Pack	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-187.5
LWC-85.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISOGARD CG	I.S.O. Twin Pack	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Twin Pack	BASEGARD SA	(Optional) APP-TA	APP-TA	-187.5



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: LWC TO DECK, 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 (PSE)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
LWC-86.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISOGARD CG	I.S.O. Twin Pack	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Twin Pack	BASEGARD SA	(Optional) APP-TA	APP-TA	-187.5
LWC-87.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 2-inch ISOGARD HD Composite	I.S.O. Twin Pack	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-187.5
LWC-88.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-187.5
LWC-89.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-187.5
LWC-90.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISOGARD CG	I.S.O. Twin Pack	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Twin Pack	SBS-SA	(Optional) SBS-TA	SBS-TA	-202.5
LWC-91.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISOGARD GL	I.S.O. Twin Pack	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Twin Pack	BASEGARD SA	(Optional) SBS-TA	SBS-TA	-210.0



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: LWC TO DECK, 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 (PSE)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
LWC-92.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch ISOGARD GL	I.S.O. Twin Pack	(Optional) One or more layers, min. 0.5-inch base insulation	I.S.O. Twin Pack	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-217.5
LWC-93.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 2-inch ISOGARD HD Composite	I.S.O. Twin Pack	SBS-SA	(Optional) SBS-TA	SBS-TA	-217.5
LWC-94.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 2-inch ISOGARD HD Composite	I.S.O. Twin Pack	SBS-SA	(Optional) APP-TA	APP-TA	-217.5
LWC-95.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	SBS-SA	(Optional) SBS-TA	SBS-TA	-217.5
LWC-96.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	SBS-SA	(Optional) APP-TA	APP-TA	-217.5
LWC-97.	Min. 2,500 psi structural concrete	Min. 200 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL	Polyset CRA	(Optional) One or more layers base insulation	Polyset CRA	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-210.0
LWC-98.	Min. 2,500 psi structural concrete	Min. 200 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL	Polyset CRA	(Optional) One or more layers base insulation	Polyset CRA	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-222.5



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: LWC TO DECK, 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)	BASE PLY	PLY	CAP PLY	
LWC-99.	Min. 2,500 psi structural concrete	Min. 277 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board	Polysset CRA	None	N/A	BASEGARD SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-106.0
ELASTIZELL:										
LWC-100.	Min. 2,500 psi structural concrete	Min. 160 psi Elastizell Lightweight Insulating Concrete	Min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	(Optional) One or more layers base insulation	I.S.O. Stick or Twin Jet	BASEGARD SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-90.0
LWC-101.	Min. 2,500 psi structural concrete	Min. 415 psi Elastizell Lightweight Insulating Concrete with Zell-Crete Fibers	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD	I.S.O. Stick or Twin Jet	None	N/A	BASEGARD SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-144.5
LWC-102.	Min. 2,500 psi structural concrete	Min. 200 psi Elastizell Lightweight Insulating Concrete	Min. 1.5-inch ISOGARD GL	Polysset CRA	(Optional) One or more layers base insulation	Polysset CRA	BASEGARD SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-90.0
LWC-103.	Min. 2,500 psi structural concrete	Min. 200 psi Elastizell Lightweight Insulating Concrete	Min. 1.5-inch ISOGARD GL	Polysset CRA	(Optional) One or more layers base insulation	Polysset CRA	BASEGARD SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-180.0
LWC-104.	Min. 2,500 psi structural concrete	Min. 415 psi Elastizell Lightweight Insulating Concrete with Zell-Crete Fibers	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board	Polysset CRA	None	N/A	BASEGARD SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-144.5
MEARLCRETE:										
LWC-105.	Min. 2,500 psi structural concrete	Min. 200 psi Mearlcrete	Min. 1.5-inch ISOGARD GL	Polysset CRA	(Optional) One or more layers base insulation	Polysset CRA	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-210.0
LWC-106.	Min. 2,500 psi structural concrete	Min. 200 psi Mearlcrete	Min. 1.5-inch ISOGARD GL	Polysset CRA	(Optional) One or more layers base insulation	Polysset CRA	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-240.0
PRE-EXISTENT CELLULAR CONCRETE (3.1.2):										



TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: LWC TO DECK, 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)	BASE PLY	PLY	CAP PLY	
LWC-107.	Min. 2,500 psi structural concrete	Pre-existent Minimum 200 psi, minimum 2-inch thick Approved cellular LWIC. <i>Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 40 lbf when tested per Note 11.</i>	Min. 0.25-inch Dens Deck Prime, SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD	I.S.O. Stick, I.S.O. Twin Pack, Twin Jet or Polyset CRA	None	N/A	BASEGARD SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-76.5

TABLE 12B: DECK WITH LIGHTWEIGHT INSULATING CONCRETE – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER												
SYSTEM No.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	ANCHOR SHEET			INSULATION			ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH	BASE	TOP	ATTACH (NOTES 6, 7, 8)	BASE PLY	PLY	CAP PLY	
LWC-108.	Min. 22 ga., type BV steel or min. 2,500 psi structural concrete	Pre-existent Minimum 200 psi, minimum 2-inch thick Approved cellular LWIC. <i>Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 52 lbf when tested per Note 11.</i>	MB Base, Venting Base Sheet, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base	Min. 1.8-inch Elevate Two Piece Impact Nail or Elevate 1.7 in. Assembled LWC Base Ply Fastener	7-inch o.c. at the 4-inch side lap and 7-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 1-inch ISOGARD GL, ISOGARD CG	(Optional) Optional additional layers base insulation, flat or tapered; Min. 0.5-inch ISOGARD HD or Min. 0.25-inch Dens Deck Prime	I.S.O. Stick, I.S.O. Twin Pack, Twin Jet	BP-CA, SBS-CA, APP-CA	None	SBS-CA, APP-CA	-45.0*
LWC-109.	Min. 22 ga., type BV steel at 5 ft spans or structural concrete	Pre-existent Minimum 200 psi, minimum 2-inch thick Approved cellular LWIC. <i>Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 52 lbf when tested per Testing Application Standard TAS 105.</i>	MB Base, Venting Base Sheet, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base	Min. 1.8-inch Elevate Two Piece Impact Nail or Elevate 1.7 in. Assembled LWC Base Ply Fastener	7-inch o.c. at the 4-inch side lap and 7-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 1-inch ISOGARD GL, ISOGARD CG	(Optional) Optional additional layers base insulation, flat or tapered; Min. 0.25-inch Dens Deck Prime	I.S.O. Stick, I.S.O. Twin Pack, Twin Jet	SBS-SA	None	SBS-AA, SBS-TA, APP-TA	-45.0*



**TABLE 12b: DECK WITH LIGHTWEIGHT INSULATING CONCRETE – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	ANCHOR SHEET			INSULATION			ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH	BASE	TOP	ATTACH (NOTES 6, 7, 8)	BASE PLY	PLY	CAP PLY	
LWC-110.	Min. 22 ga., type BV steel or min. 2,500 psi structural concrete	Pre-existent Minimum 200 psi, minimum 2-inch thick Approved cellular LWIC. <i>Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 68 lbf when tested per Note 11.</i>	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base	Elevate 1.7 in. Assembled LWC Base Ply Fastener	9-inch o.c. at the 3-inch side lap and 9-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 1.5-inch ISOGARD GL	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-45.0
LWC-111.	Min. 22 ga., type BV steel or min. 2,500 psi structural concrete	Pre-existent Minimum 200 psi, minimum 2-inch thick Approved cellular LWIC. <i>Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 68 lbf when tested per Note 11.</i>	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base	Elevate 1.7 in. Assembled LWC Base Ply Fastener	12-inch o.c. at the 3-inch side lap and 12-inch o.c. at three, equally spaced, staggered rows in the center of the sheet	Min. 1.5-inch ISOGARD GL	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-45.0

**TABLE 12c: LIGHTWEIGHT CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED ANCHOR SHEET, BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	ANCHOR SHEET			ROOF COVER (3.1.4)		MDP (PSF)
			BASE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	CAP PLY	
COLD-APPLIED BASE; ELEVATE MULTI-PURPOSE MB COLD ADHESIVE:								
LWC-112.	Min. 22 ga., type BV steel; 5 ft span or min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base	Elevate Two Piece Impact Nails	7-inch o.c. at the 4-inch side lap and 7-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	SBS-CA or APP-CA	SBS-CA or APP-CA	-45.0
LWC-113.	Min. 22 ga., type BV, Grade 40 steel; 6 ft span or min. 2,500 psi structural concrete	Min. 450 psi, min. 2-inch thick Celcore Cellular Concrete	MB Base or SBS Base	Elevate 1.7 in. Assembled LWC Base Ply Fastener	12-inch o.c. at the 4-inch side lap and 12-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	SBS-CA or APP-CA	SBS-CA or APP-CA	-45.0
LWC-114.	Min. 22 ga., type BV steel; 5 ft span or min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Range II Elastizell Lightweight Insulating Concrete	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base	Elevate Two Piece Impact Nails	7-inch o.c. at the 4-inch side lap and 7-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	SBS-CA or APP-CA	SBS-CA or APP-CA	-45.0



**TABLE 12c: LIGHTWEIGHT CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED ANCHOR SHEET, BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	ANCHOR SHEET			ROOF COVER (3.1.4)		MDP (PSF)
			BASE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	CAP PLY	
LWC-115.	Min. 22 ga., type BV steel; 5 ft span or min. 2,500 psi structural concrete	Min. 300 psi, min. 2-inch thick Mearlcrete cellular lightweight insulating concrete	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base	Elevate Two Piece Impact Nails	7-inch o.c. at the 4-inch side lap and 7-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	SBS-CA or APP-CA	SBS-CA or APP-CA	-45.0
LWC-116.	Min. 22 ga., type BV steel; 5 ft span or min. 2,500 psi structural concrete	Pre-existent min. 200 psi, min. 2-inch thick Approved cellular lightweight insulating concrete. <i>Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 52 lbf when tested per Note 11.</i>	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base	Elevate Two Piece Impact Nails	7-inch o.c. at the 4-inch side lap and 7-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	SBS-CA or APP-CA	SBS-CA or APP-CA	-45.0
COLD-APPLIED BASE; ELEVATE LIQUIGARD MEMBRANE ADHESIVE:								
LWC-117.	Min. 22 ga., type BV, Grade 40 steel; 6 ft span or min. 2,500 psi structural concrete	Min. 450 psi, min. 2-inch thick Celcore Cellular Concrete	MB Base or SBS Base	Elevate 1.7 in. Assembled LWC Base Ply Fastener	12-inch o.c. at the 4-inch side lap and 12-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	SBS-CA2	SBS-CA2	-45.0
LWC-118.	Min. 22 ga., type BV steel; 5 ft span or min. 2,500 psi structural concrete	Pre-existent Min. 340 psi, min. 2-inch thick Approved cellular lightweight insulating concrete. <i>Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 71 lbf when tested per Note 11.</i>	MB Base, Channel Venting Base, SBS Base, SBS PolyBase, SBS Premium Base	Elevate 1.7 in. Assembled LWC Base Ply Fastener	7-inch o.c. at the 3-inch side lap and 7-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) SBS-CA2	SBS-CA2	-60.0
ASPHALT AND/OR TORCH APPLIED BASE:								
CELSCORE:								
LWC-119.	Min. 22 ga., type BV steel; 5 ft span or min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base	Elevate Two Piece Impact Nails	7-inch o.c. at the 4-inch side lap and 7-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0
LWC-120.	Min. 22 ga., type BV, Grade 40 steel; 6 ft span or min. 2,500 psi structural concrete	Min. 450 psi, min. 2-inch thick Celcore Cellular Concrete	MB Base or SBS Base	Elevate 1.7 in. Assembled LWC Base Ply Fastener	12-inch o.c. at the 4-inch side lap and 12-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0



**TABLE 12c: LIGHTWEIGHT CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED ANCHOR SHEET, BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	ANCHOR SHEET			ROOF COVER (3.1.4)		MDP (PSF)
			BASE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	CAP PLY	
LWC-121.	Min. 22 ga., type BV steel; 5 ft span or min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	MB Base, Channel Venting Base, SBS Base, SBS-Base P, SBS PolyTorch, SBS PolyBase, SBS Premium Base, SBS Smooth, SBS Torch Base, APP 160, APP 80 Glass Base, APP Premium Base	Elevate 1.7 in. Assembled LWC Base Ply Fastener	9-inch o.c. at the 4-inch side lap and 12-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-60.0
LWC-122.	Min. 22 ga., type BV steel; 6 ft span or min. 2,500 psi structural concrete	Min. 300 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	MB Base, Channel Venting Base, SBS Base, SBS-Base P, SBS PolyTorch, SBS PolyBase, SBS Premium Base, SBS Smooth, SBS Torch Base, APP 160, APP 80 Glass Base, APP Premium Base	Elevate 1.7 in. Assembled LWC Base Ply Fastener	7-inch o.c. at the min. 3-inch side lap and 7-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-60.0
CONCRECEL:								
LWC-123.	Min. 22 ga., type BV steel; 6 ft span or min. 2,500 psi structural concrete	Min. 300 psi, min. 2-inch thick Concrecel cellular lightweight insulating concrete	Elevate Venting Base, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base	Min. 1.8-inch Elevate Two Piece Impact Nail	6-inch o.c. at the 4-inch side lap and 6-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	SBS-AA or SBS-TA (ASTM D6164 only)	SBS-AA or SBS-TA (ASTM D6164 only)	-67.5
LWC-124.	Min. 22 ga., type BV steel; 5 ft span or min. 2,500 psi structural concrete	Concrecel Bonding Agent is applied to the deck at a rate of 600 ft ² /gal. Min. 300 psi, min. 2.25-inch thick Concrecel cellular lightweight insulating concrete followed by Concrecel Curing Compound at a rate of 600 ft ² /gal	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base, APP 160	OMG C-R Assembled Base Sheet Fastener (1.7 in.)	7-inch o.c. at the 3-inch side lap and 7-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-82.5
ELASTIZELL:								
LWC-125.	Min. 22 ga., type BV steel; 5 ft span or min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Range II Elastizell Lightweight Insulating Concrete	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base	Elevate Two Piece Impact Nails	7-inch o.c. at the 4-inch side lap and 7-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0
LWC-126.	Min. 22 ga., type BV steel; 6 ft span or min. 2,500 psi structural concrete	Min. 300 psi, min. 2-inch thick Elastizell cellular lightweight insulating concrete	Venting Base Sheet, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base	Min. 1.8-inch Elevate Two Piece Impact Nail	6-inch o.c. at the 4-inch side lap and 6-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	SBS-AA or SBS-TA (ASTM D6164 only)	SBS-AA or SBS-TA (ASTM D6164 only)	-60.0



**TABLE 12c: LIGHTWEIGHT CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED ANCHOR SHEET, BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	ANCHOR SHEET			ROOF COVER (3.1.4)		MDP (PSF)
			BASE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	CAP PLY	
MEARLCRETE:								
LWC-127.	Min. 22 ga., type BV steel; 5 ft span or min. 2,500 psi structural concrete	Min. 300 psi, min. 2-inch thick Mearlcrete cellular lightweight insulating concrete	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base	Elevate Two Piece Impact Nails	7-inch o.c. at the 4-inch side lap and 7-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0
LWC-128.	Min. 22 ga., type BV steel; 5 ft span or min. 2,500 psi structural concrete	Min. 300 psi, min. 2-inch thick Mearlcrete cellular lightweight insulating concrete	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base	Elevate 1.7 in. Assembled LWC Base Ply Fastener	7-inch o.c. at the 3-inch side lap and 7-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-52.5
LWC-129.	Min. 22 ga., type BV steel; 5 ft span or min. 2,500 psi structural concrete	Min. 300 psi, min. 2-inch thick Mearlcrete cellular lightweight insulating concrete	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base	Elevate 1.7 in. Assembled LWC Base Ply Fastener	9-inch o.c. at the 4-inch side lap and 9-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	BP-AA or SBS-AA	SBS-AA	-52.5
PRE-EXISTENT CELLULAR CONCRETE:								
LWC-130.	Min. 22 ga., type BV steel; 5 ft span or min. 2,500 psi structural concrete	Pre-existent Min. 200 psi, min. 2-inch thick Approved cellular lightweight insulating concrete. <i>Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 70 lbf when tested per Note 11.</i>	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base	Elevate 1.7 in. Assembled LWC Base Ply Fastener	9-inch o.c. at the 2-inch side lap and 9-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0
LWC-131.	Min. 22 ga., type BV steel; 5 ft span or min. 2,500 psi structural concrete	Pre-existent Min. 200 psi, min. 2-inch thick Approved cellular lightweight insulating concrete. <i>Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 70 lbf when tested per Note 11.</i>	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base	Elevate 1.7 in. Assembled LWC Base Ply Fastener	12-inch o.c. at the 2-inch side lap and 12-inch o.c. at three, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0
LWC-132.	Min. 22 ga., type BV steel; 5 ft span or min. 2,500 psi structural concrete	Pre-existent Min. 200 psi, min. 2-inch thick Approved cellular lightweight insulating concrete. <i>Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 70 lbf when tested per Note 11.</i>	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base	Min. 1.8-inch Elevate Two Piece Impact Nail	9-inch o.c. in the 2-inch side lap and 9-inch o.c. in two, equally spaced, staggered rows in the center of the sheet	BP-AA, SBS-AA or SBS-CA	SBS-AA or SBS-CA	-45.0



**TABLE 12c: LIGHTWEIGHT CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED ANCHOR SHEET, BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	ANCHOR SHEET			ROOF COVER (3.1.4)		MDP (PSF)
			BASE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	CAP PLY	
LWC-133.	Min. 22 ga., type BV steel; 5 ft span or min. 2,500 psi structural concrete	Pre-existent min. 200 psi, min. 2-inch thick Approved cellular lightweight insulating concrete. <i>Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 52 lbf when tested per Note 11.</i>	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base	Elevate Two Piece Impact Nails	7-inch o.c. at the 4-inch side lap and 7-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0
LWC-134.	Min. 22 ga., type BV steel; 5 ft span or min. 2,500 psi structural concrete	Pre-existent Min. 300 psi, min. 2-inch thick Approved cellular lightweight insulating concrete. <i>Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 88 lbf when tested per Note 11.</i>	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base	Min. 1.8-inch Elevate Two Piece Impact Nail	9-inch o.c. at the 4-inch side lap and 9-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-60.0
LWC-135.	Min. 22 ga., type BV steel; 5 ft span or min. 2,500 psi structural concrete	Pre-existent min. 350 psi, min. 2-inch thick Approved cellular lightweight insulating concrete. <i>Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 106 lbf when tested per Note 11.</i>	MB Base, Channel Venting Base, SBS Base, SBS Base P, SBS Premium Base, SBS Smooth, SBS PolyBase	Elevate 1.7 in. Assembled LWC Base Ply Fastener	9-inch o.c. at the 4-inch side lap and 12-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	One or more SBS-TA	SBS-TA	-60.0
LWC-136.	Min. 22 ga., type BV steel; 5 ft span or min. 2,500 psi structural concrete	Pre-existent Min. 340 psi, min. 2-inch thick Approved cellular lightweight insulating concrete. <i>Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 71 lbf when tested per Note 11.</i>	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS PolyBase, SBS Premium Base	Elevate 1.7 in. Assembled LWC Base Ply Fastener	7-inch o.c. at the 3-inch side lap and 7-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-60.0
LWC-137.	Min. 22 ga., type BV steel; 5 ft span or min. 2,500 psi structural concrete	Pre-existent Min. 300 psi, min. 2-inch thick Approved cellular lightweight insulating concrete. <i>Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 95 lbf when tested per Note 11.</i>	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base	Elevate 1.7 in. Assembled LWC Base Ply Fastener	7.5-inch o.c. at the 3-inch side lap and 7.5-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-75.0



TABLE 12D: LIGHTWEIGHT CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED ANCHOR SHEET, BONDED ROOF COVER											
SYSTEM No.	DECK (4.1.2)	THERMAL BARRIER		TEMP ROOF	LIGHTWEIGHT CONCRETE (3.1.2)	ANCHOR SHEET			ROOF COVER (3.1.4)		MDP (PSF)
		TYPE	ATTACH (NOTE 11, NOTE 17)			BASE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	CAP PLY	
LWC-138.	Min. 22 ga., type B steel; 6 ft span	Min. 5/8-inch SECUROCK Gypsum-Fiber Roof Board	Fastener per Note 2 at 1 per 1.6 ft ²	MB Base, SBS Base, SBS Smooth or SBS Premium Base in hot asphalt or SBS Smooth Torch or APP 160, torch-applied	Min. 300 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	MB Base, Channel Venting Base, SBS Base, SBS-Base P, SBS PolyTorch, SBS PolyBase, SBS Premium Base, SBS Smooth, SBS Torch Base	Elevate 1.7 in. Assembled LWC Base Ply Fastener	7-inch o.c. at the min. 3-inch side lap and 7-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-60.0
LWC-139.	Min. 22 ga., type B steel; 6 ft span	Min. 5/8-inch SECUROCK Gypsum-Fiber Roof Board	Fastener per Note 2 at 1 per 1.6 ft ²	MB Base, SBS Base, SBS Smooth or SBS Premium Base in hot asphalt or SBS Smooth Torch or APP 160, torch-applied	Min. 300 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	MB Base, Channel Venting Base, APP 160, APP 80 Glass Base, APP Premium Base	Elevate 1.7 in. Assembled LWC Base Ply Fastener	7-inch o.c. at the min. 3-inch side lap and 7-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) APP-TA	APP-TA	-60.0

TABLE 13A: CEMENTITIOUS WOOD FIBER 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)	BASE PLY	PLY	CAP PLY			
CWF-1.	Existing Tectum	Min. 0.5-inch ISOGARD HD or min. 1-inch ISOGARD GL	I.S.O. Twin Pack	(Optional) Min. 0.5-inch ISOGARD HD or min. 1-inch ISOGARD GL	I.S.O. Twin Pack	BASEGARD SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*		

TABLE 13B: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER											
SYSTEM No.	DECK (4.1.2)	ANCHOR SHEET			INSULATION			ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.3)	BASE	TOP	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
CWF-2.	Existing Tectum	MB Base, Channel Venting Base, SBS Base, SBS Premium Base, SBS PolyBase, SBS Smooth	Min. 1.8-inch Elevate Two Piece Impact Nail	9-inch o.c. at the 2-inch laps and 18-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 1.5-inch ISOGARD GL	Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*



TABLE 13b: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER											
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER											
SYSTEM NO.	DECK (4.1.2)	ANCHOR SHEET			INSULATION			ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.3)	BASE	TOP	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
CFW-3.	Existing Tectum	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base	Min. 1.8-inch Elevate Two Piece Impact Nail	12-inch o.c. at the 2-inch laps and 18-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 0.5-inch ISOGARD HD or min. 1-inch ISOGARD GL	(Optional) Min. 0.5-inch ISOGARD HD or min. 1-inch ISOGARD GL	I.S.O. Stick, Twin Jet or I.S.O. Twin Pack	BASEGARD SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*

TABLE 13c: CEMENTITIOUS WOOD FIBER DECKS – REROOF (TEAR-OFF) OR RECOVER									
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER									
SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
CFW-4.	Existing Tectum	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch ISOGARD HD or min. 1-inch ISOGARD GL	Elevate Polymer Fastener and Polymer Fastener Insulation Plate	1 per 2.1 ft ²	BASEGAR D SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*

TABLE 13d: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF), OR RECOVER									
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED ANCHOR SHEET, BONDED ROOF COVER									
SYSTEM NO.	DECK (4.1.2)	INSULATION LAYER(S) (3.1.2)		BASE OR ANCHOR SHEET			ROOF COVER (3.1.4)		MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	CAP PLY	
CFW-5.	Existing Tectum	One or more layers, any combination	Prelim. Attached	MB Base, Channel Venting Base	Elevate Polymer Fastener and Polymer Fastener Insulation Plate	12-inch o.c. in the 4-inch side lap and 18-inch o.c. in two staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*



**TABLE 13E: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED ANCHOR SHEET, BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	ANCHOR SHEET			ROOF COVER (3.1.4)		MDP (PSE)
		TYPE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	CAP PLY	
CWF-6.	Existing Tectum	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base	Min. 1.8-inch Elevate Two Piece Impact Nail	9-inch o.c. in the 2-inch side lap and 12-inch o.c. in two, equally spaced, staggered rows in the center of the sheet	SBS-CA	SBS-CA	-45.0*
CWF-7.	Existing Tectum	MB Base, Channel Venting Base	Elevate Polymer Fastener and Polymer Fastener Insulation Plate	12-inch o.c. in the 4-inch side lap and 18-inch o.c. in two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
CWF-8.	Existing Tectum	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base	Min. 1.8-inch Elevate Two Piece Impact Nail	9-inch o.c. in the 2-inch side lap and 12-inch o.c. in two, equally spaced, staggered rows in the center of the sheet	BP-AA, SBS-AA	SBS-AA	-45.0*
CWF-9.	Existing Tectum	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base	Min. 1.8-inch Elevate Two Piece Impact Nail	9-inch o.c. in the 3-inch side lap and 12-inch o.c. in two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-67.5



**TABLE 14A: GYPSUM DECKS – 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 (PSE)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
COLD-APPLIED BASE; ELEVATE MULTI-PURPOSE MB COLD ADHESIVE:									
G-1.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	I.S.O. Stick; I.S.O. Twin Pack; Twin Jet; Polyset CRA	(Optional) One or more layers base insulation	I.S.O. Stick; I.S.O. Twin Pack; Twin Jet; Polyset CRA	BP-CA	(Optional) BP-CA, SBS-CA	SBS-CA or APP-CA	-67.5
G-2.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	I.S.O. Stick; I.S.O. Twin Pack; Twin Jet; Polyset CRA	(Optional) One or more layers base insulation	I.S.O. Stick; I.S.O. Twin Pack; Twin Jet; Polyset CRA	APP-CA	None	APP-CA	-67.5
G-3.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	I.S.O. Stick; I.S.O. Twin Pack; Twin Jet; Polyset CRA	(Optional) One or more layers base insulation	I.S.O. Stick; I.S.O. Twin Pack; Twin Jet; Polyset CRA	SBS-CA	None	SBS-CA	-82.5
G-4.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	Twin Jet Y, SPRAY	(Optional) One or more layers base insulation	Twin Jet Y, SPRAY	BP-CA	(Optional) BP-CA, SBS-CA	SBS-CA or APP-CA	-45.0
G-5.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	Twin Jet Y, SPRAY	(Optional) One or more layers base insulation	Twin Jet Y, SPRAY	APP-CA	None	APP-CA	-45.0
G-6.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	Twin Jet Y, SPRAY	(Optional) One or more layers base insulation	Twin Jet Y, SPRAY	SBS-CA	None	SBS-CA	-45.0
G-7.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	(Optional) One or more layers base insulation	Twin Jet Y, RIBBON	BP-CA	(Optional) BP-CA, SBS-CA	SBS-CA or APP-CA	-67.5
G-8.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	(Optional) One or more layers base insulation	Twin Jet Y, RIBBON	APP-CA	None	APP-CA	-67.5
G-9.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	(Optional) One or more layers base insulation	Twin Jet Y, RIBBON	SBS-CA	None	SBS-CA	-82.5
ASPHALT AND/OR TORCH APPLIED BASE:									
G-10.	Existing gypsum deck primed with WeatherTite Universal Primer	Min. 1.5-inch ISOGARD GL	I.S.O. Twin Pack	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack	SBS-TA	(Optional) SBS-TA	SBS-TA	-45.0 (NO FBC HVHZ)



TABLE 14A: GYPSUM DECKS – 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 (PSE)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
G-11.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	I.S.O. Twin Pack	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-157.5
G-12.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick or Twin Jet	SBS-TA	None	SBS-TA	-127.5
G-13.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-135.0
G-14.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	Polyset CRA	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Polyset CRA	SBS-TA	None	SBS-TA	-127.5
G-15.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	Polyset CRA	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-225.0
G-16.	Existing gypsum deck	Min. 1.5-inch, min. 1.25 pcf Insulfoam	Polyset CRA	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-87.5
G-17.	Existing gypsum deck	Min. 1.5-inch, min. 1.5 pcf Insulfoam	Polyset CRA	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-180.0



TABLE 14A: GYPSUM DECKS – 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 (PSE)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
G-18.	Existing gypsum deck	Min. 1.5-inch, min. 2.0 pcf Insulfoam	Polysset CRA	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Polysset CRA	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-225.0
G-19.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	Twin Jet Y, SPATTER	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Twin Jet Y, SPATTER	SBS-TA	None	SBS-TA	-45.0
G-20.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	Twin Jet Y, SPATTER	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, SPATTER	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-45.0
G-21.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Twin Jet Y, RIBBON	SBS-TA	None	SBS-TA	-127.5
G-22.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-135.0
SELF-ADHERING BASE:									
G-23.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	I.S.O. Twin Pack	Tapered ISOGARD GL	I.S.O. Twin Pack	BASEGARD SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-112.5
G-24.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	I.S.O. Twin Pack	(Optional) One or more layers base insulation	I.S.O. Twin Pack	BASEGARD SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-157.5
G-25.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	Tapered ISOGARD GL	I.S.O. Stick or Twin Jet	BASEGARD SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-112.5



TABLE 14A: GYPSUM DECKS – 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)	BASE PLY	PLY	CAP PLY	
G-26.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	(Optional) One or more layers base insulation	I.S.O. Stick or Twin Jet	BASEGARD SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-135.0
G-27.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	Polyset CRA	Tapered ISOGARD GL	Polyset CRA	BASEGARD SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-112.5
G-28.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	Polyset CRA	(Optional) One or more layers base insulation	Polyset CRA	BASEGARD SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-210.0
G-29.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	Polyset CRA	(Optional) One or more layers base insulation	Polyset CRA	BASEGARD SA	(Optional) SBS-AA	SBS-AA	-247.5
G-30.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	Twin Jet Y, SPATTER	Tapered ISOGARD GL	Twin Jet Y, SPATTER	BASEGARD SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0
G-31.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	Twin Jet Y, SPATTER	(Optional) One or more layers base insulation	Twin Jet Y, SPATTER	BASEGARD SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0
G-32.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	Tapered ISOGARD GL	Twin Jet Y, RIBBON	BASEGARD SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-112.5
G-33.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	(Optional) One or more layers base insulation	Twin Jet Y, RIBBON	BASEGARD SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-135.0

TABLE 14B: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

SYSTEM No.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	

CONVENTIONAL SYSTEMS:



TABLE 14B: GYPSUM DECKS – REROOF (TEAR-OFF)										
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER										
SYSTEM NO.	Deck (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
G-34.	Existing gypsum deck	Min. 1.5-inch ISOGARD GL	Elevate Polymer Fastener and Polymer Fastener Insulation Plate (W/D ≥ 180 lbf)	1 per 2.0 ft ²	Min. 0.25-inch Dens Deck or SECUROCK Gypsum Fiber Roof Board	Hot asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*

TABLE 14C: GYPSUM DECKS – REROOF (TEAR-OFF)											
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER											
SYSTEM NO.	Deck (4.1.2)	ANCHOR SHEET			INSULATION			ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.3)	BASE	TOP	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
CONVENTIONAL SYSTEMS:											
G-35.	Existing gypsum deck	MB Base, Channel Venting Base, SBS Base, SBS Premium Base, SBS PolyBase, SBS Smooth (Note A below)	Elevate Two Piece Impact Nail (W/D ≥ 105 lbf)	9-inch o.c. at the 2-inch laps and 18-inch o.c. in two, equally spaced, staggered rows in the center of the sheet	Min. 1.5-inch ISOGARD GL	Min. 0.25-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
G-36.	Existing gypsum deck	MB Base, Channel Venting Base	Elevate Two Piece Impact Nail (W/D ≥ 119 lbf)	9-inch o.c. in the 4-inch side lap and 12-inch o.c. in two, equally spaced, staggered rows in the center of the sheet	(Optional) Min. 1.5-inch ISOGARD GL	Min. 0.25-inch Dens Deck or 0.25-inch SECUROCK Gypsum Fiber Roof Board	Hot asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-67.5

Note A: Anchor sheet may be covered with optional temporary roof consisting of one or two plies BP-AA or SBS-AA, or one Base Ply of BP-AA or SBS-AA followed by one Cap Ply of SBS-AA, SBS-TA or APP-TA.



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**TABLE 14D: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED ANCHOR SHEET, BONDED ROOF COVER**

SYSTEM NO.	DECK (4.1.2)	INSULATION LAYER(S) (3.1.2)		BASE OR ANCHOR SHEET			ROOF COVER (3.1.4)		MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	CAP PLY	
G-37.	Existing gypsum deck	One or more layers, any combination	Prelim. Attached	MB Base, Channel Venting Base	Elevate Polymer Fastener and Polymer Fastener Insulation Plate (W/D ≥ 114 lbf)	12-inch o.c. in the 4-inch side lap and 18-inch o.c. in two staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*



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TABLE 14E: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED ANCHOR SHEET, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	ANCHOR SHEET			ROOF COVER (3.1.4)		MDP (PSF)
		TYPE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	CAP PLY	
G-38.	Existing gypsum deck	MB Base, Channel Venting Base	Elevate Polymer Fastener and Polymer Fastener Insulation Plate (W/D ≥ 114 lbf)	12-inch o.c. in the 4-inch side lap and 18-inch o.c. in two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
G-39.	Existing gypsum deck	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base	Elevate Two Piece Impact Nail (W/D ≥ 105 lbf)	9-inch o.c. in the 2-inch side lap and 18-inch o.c. in two, equally spaced, staggered rows in the center of the sheet	BP-AA, SBS-AA or SBS-CA	SBS-AA or SBS-CA	-45.0*
G-40.	Existing gypsum deck	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS PolyBase, SBS Smooth, SBS Premium Base	Elevate Two Piece Impact Nail (W/D ≥ 119 lbf)	9-inch o.c. in the 4-inch side lap and 12-inch o.c. in two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-67.5



TABLE 15A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

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

SYSTEM No.	SUBSTRATE (4.1.2, 4.2.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
COLD-APPLIED BASE; ELEVATE MULTI-PURPOSE MB COLD ADHESIVE:									
R-1.	Existing asphalt BUR	Min. 1.5-inch ISOGARD GL	I.S.O. Twin Pack, I.S.O. Stick, Twin Jet or Polyset CRA	(Optional) One or more layers base insulation	I.S.O. Twin Pack, I.S.O. Stick, Twin Jet or Polyset CRA	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5
R-2.	Existing asphalt BUR	Min. 1.5-inch ISOGARD GL	I.S.O. Twin Pack, I.S.O. Stick, Twin Jet or Polyset CRA	(Optional) One or more layers base insulation	I.S.O. Twin Pack, I.S.O. Stick, Twin Jet or Polyset CRA	APP-CA	None	APP-CA	-67.5
R-3.	Existing asphalt BUR	(Optional) One or more layers of min. 1.5-inch ISOGARD GL	I.S.O. Twin Pack or I.S.O. Stick Adhesive or Twin Jet	Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack or I.S.O. Stick Adhesive or Twin Jet	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5
R-4.	Existing asphalt BUR	(Optional) One or more layers of min. 1.5-inch ISOGARD GL	I.S.O. Twin Pack or I.S.O. Stick Adhesive or Twin Jet	Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack or I.S.O. Stick Adhesive or Twin Jet	APP-CA	None	APP-CA	-67.5
R-5.	Existing asphalt BUR	Min. 1.5-inch ISOGARD GL	I.S.O. Twin Pack, I.S.O. Stick, Twin Jet or Polyset CRA	(Optional) One or more layers base insulation	I.S.O. Twin Pack, I.S.O. Stick, Twin Jet or Polyset CRA	SBS-CA	None	SBS-CA	-82.5
R-6.	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL	I.S.O. Twin Pack	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISOGARD GL	I.S.O. FIX II or I.S.O. Twin Pack	APP-CA	None	APP-CA	-67.5
R-7.	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL	I.S.O. Twin Pack	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISOGARD GL	I.S.O. FIX II or I.S.O. Twin Pack	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-82.5
R-8.	Existing granule surface modified bitumen	Min. 1-inch ISOGARD CG	I.S.O. Twin Pack	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISOGARD CG	I.S.O. FIX II or I.S.O. Twin Pack	APP-CA	None	APP-CA	-52.5
R-9.	Existing granule surface modified bitumen	Min. 1-inch ISOGARD CG	I.S.O. Twin Pack	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISOGARD CG	I.S.O. FIX II or I.S.O. Twin Pack	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5



TABLE 15A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

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

SYSTEM No.	SUBSTRATE (4.1.2, 4.2.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
R-10.	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.5-inch ISOGARD HD	I.S.O. FIX II or I.S.O. Twin Pack	APP-CA	None	APP-CA	-67.5
R-11.	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.5-inch ISOGARD HD	I.S.O. FIX II or I.S.O. Twin Pack	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5
R-12.	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. FIX II or I.S.O. Twin Pack	APP-CA	None	APP-CA	-37.5 (NO FBC HVHZ)
R-13.	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. FIX II or I.S.O. Twin Pack	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-37.5 (NO FBC HVHZ)
R-14.	Existing asphalt BUR	Min. 1.5-inch ISOGARD GL	Twin Jet Y, SPATTER	(Optional) One or more layers base insulation	Twin Jet Y, SPATTER	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0
R-15.	Existing asphalt BUR	Min. 1.5-inch ISOGARD GL	Twin Jet Y, SPATTER	(Optional) One or more layers base insulation	Twin Jet Y, SPATTER	APP-CA	None	APP-CA	-45.0
R-16.	Existing asphalt BUR	(Optional) One or more layers of min. 1.5-inch ISOGARD GL	Twin Jet Y, SPATTER	Min. 0.5-inch ISOGARD HD	Twin Jet Y, SPATTER	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0
R-17.	Existing asphalt BUR	(Optional) One or more layers of min. 1.5-inch ISOGARD GL	Twin Jet Y, SPATTER	Min. 0.5-inch ISOGARD HD	Twin Jet Y, SPATTER	APP-CA	None	APP-CA	-45.0
R-18.	Existing asphalt BUR	Min. 1.5-inch ISOGARD GL	Twin Jet Y, SPATTER	(Optional) One or more layers base insulation	Twin Jet Y, SPATTER	SBS-CA	None	SBS-CA	-45.0
R-19.	Existing asphalt BUR	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	(Optional) One or more layers base insulation	Twin Jet Y, RIBBON	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5
R-20.	Existing asphalt BUR	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	(Optional) One or more layers base insulation	Twin Jet Y, RIBBON	APP-CA	None	APP-CA	-67.5



TABLE 15A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

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

SYSTEM No.	SUBSTRATE (4.1.2, 4.2.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
R-21.	Existing asphalt BUR	(Optional) One or more layers of min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	Min. 0.5-inch ISOGARD HD	Twin Jet Y, RIBBON	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5
R-22.	Existing asphalt BUR	(Optional) One or more layers of min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	Min. 0.5-inch ISOGARD HD	Twin Jet Y, RIBBON	APP-CA	None	APP-CA	-67.5
R-23.	Existing asphalt BUR	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	(Optional) One or more layers base insulation	Twin Jet Y, RIBBON	SBS-CA	None	SBS-CA	-82.5
COLD-APPLIED BASE; ELEVATE LIQUIGARD MEMBRANE ADHESIVE:									
R-24.	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	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. Twin Pack	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-202.5
R-25.	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.5-inch ISOGARD HD or Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-205.5
ASPHALT AND/OR TORCH APPLIED BASE:									
R-26.	Existing asphalt BUR	Min. 1.5-inch ISOGARD GL	Hot Asphalt	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-225.0
R-27.	Existing asphalt BUR	Min. 1.5-inch ISOGARD GL	Hot Asphalt	Min. 0.5-inch Structodek High Density Fiberboard	Hot Asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-520.0
R-28.	Existing asphalt BUR	Min. 1.5-inch ISOGARD GL	I.S.O. Twin Pack	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-157.5
R-29.	Existing asphalt BUR	Min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Stick or Twin Jet	SBS-TA	None	SBS-TA	-120.0



TABLE 15A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

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

SYSTEM No.	SUBSTRATE (4.1.2, 4.2.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
R-30.	Existing asphalt BUR	Min. 1.5-inch ISOGARD GL	I.S.O. Stick or Twin Jet	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick or Twin Jet	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-120.0
R-31.	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. FIX II or I.S.O. Twin Pack	SBS-TA	(Optional) SBS-TA	SBS-TA	-127.5
R-32.	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. FIX II or I.S.O. Twin Pack	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA	SBS-AA	-157.5
R-33.	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG; Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Twin Pack	BP-AA, SBS-AA or APP-TA	(Optional) APP-TA	APP-TA	-202.5
R-34.	Existing asphalt BUR	Min. 1.5-inch, min. 1.25 pcf Insulfoam	Polyset CRA	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-87.5
R-35.	Existing asphalt BUR	Min. 1.5-inch ISOGARD GL	Polyset CRA	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Polyset CRA	SBS-TA	None	SBS-TA	-127.5
R-36.	Existing asphalt BUR	Min. 1.5-inch, min. 1.5 pcf Insulfoam	Polyset CRA	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-180.0



TABLE 15A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

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

SYSTEM No.	SUBSTRATE (4.1.2, 4.2.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
R-37.	Existing asphalt BUR	Min. 1.5-inch ISOGARD GL	Polysat CRA	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Polysat CRA	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-225.0
R-38.	Existing asphalt BUR	Min. 1.5-inch, min. 2.0 pcf Insulfoam	Polysat CRA	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Polysat CRA	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-225.0
R-39.	Existing asphalt BUR	Min. 1.5-inch ISOGARD GL	Twin Jet Y, SPATTER	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Twin Jet Y, SPATTER	SBS-TA	None	SBS-TA	-45.0
R-40.	Existing asphalt BUR	Min. 1.5-inch ISOGARD GL	Twin Jet Y, SPATTER	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, SPATTER	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-45.0
R-41.	Existing asphalt BUR	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum Fiber Roof Board	Twin Jet Y, RIBBON	SBS-TA	None	SBS-TA	-120.0
R-42.	Existing asphalt BUR	Min. 1.5-inch ISOGARD GL	Twin Jet Y, RIBBON	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Twin Jet Y, RIBBON	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-120.0
SELF-ADHERING BASE:									
R-43.	Existing asphalt BUR	Min. 1.5-inch ISOGARD GL	I.S.O. Twin Pack	(Optional) One or more layers base insulation	I.S.O. Twin Pack	BASEGARD SA	(Optional) SBA-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-157.5
R-44.	Existing granule surface modified bitumen	Min. 1-inch ISOGARD GL	I.S.O. Twin Pack	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISOGARD GL	I.S.O. Twin Pack	BASEGARD SA	(Optional) SBA-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-202.5
R-45.	Existing granule surface modified bitumen	Min. 1-inch ISOGARD CG	I.S.O. Twin Pack	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered ISOGARD CG	I.S.O. Twin Pack	BASEGARD SA	(Optional) SBA-AA	SBS-AA	-187.5



TABLE 15A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

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

Table with 10 columns: SYSTEM No., SUBSTRATE (4.1.2, 4.2.2), BASE INSULATION LAYER (TYPE, ATTACH (3.1.3)), TOP INSULATION LAYER (TYPE, ATTACH (3.1.3)), ROOF COVER (3.1.4) (BASE PLY, PLY, CAP PLY), and MDP (PSF). Rows include R-46 through R-53 with various substrate and insulation details.