



NEMO EVALUATION REPORT (NER)

**HOLCIM SOLUTIONS AND PRODUCTS US, LLC**

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SUBJECT: Elevate PVC, Elevate PVC KEE and Elevate Max PVC Roof Systems

SCOPE:	This NEMO Evaluation Report (henceforth 'NER') is issued under F.A.C. Rule 61G20-3 and the applicable rules and regulations governing Product Approval of construction materials in the State of Florida and ISO/IEC 17065 via NEMO cert . NEMO Evaluations has evaluated the product described herein for compliance with the Code sections noted herein .	
CODE:	2021 and 2018 International Building Code 2021 and 2018 International Residential Code 2022 California Building Code 2022 California Residential Code 2023 Florida Building Code, 8 th Edition 2023 Florida Building Code, Residential, 8 th Edition	TDI Third-Party Evaluation Report acceptance
FBC JURISDICTION:	Non-HVHZ and HVHZ	
NEMO CATEGORY:	Single Ply	
FBC CATEGORY:	Roofing	
FBC SUB-CATEGORY:	Single Ply Roof Systems	
CSI DIVISION:	07 00 00 Thermal and Moisture Protection 07 54 00 Thermoplastic Membrane Roofing 07 54 19 Polyvinyl-Chloride Roofing	
METHOD:	Method 1, Option C – Codified Material, Evaluation by Evaluation Entity	
COMPLIANCE STATEMENT:	Elevate PVC, Elevate PVC KEE and Elevate Max PVC Roof Systems , as produced by HOLCIM SOLUTIONS AND PRODUCTS US, LLC , have demonstrated compliance with the Code sections noted herein through testing in accordance with the referenced Standards, rational analysis and an ongoing quality assurance program. Compliance is subject to the Installation Requirements and Limitations of Use set forth herein.	
QUALITY ASSURANCE:	Evidence of current quality assurance shall be listing and labeling in accordance with the requirements of NEMO cert .	
CONTINUED COMPLIANCE:	This NER is valid until such time the named product(s) change, the referenced Quality Assurance changes, or the evaluated Code provisions change. NEMO Evaluations requires, at minimum, a complete review of this NER with each 3-year Code Cycle.	
BUILDING PERMIT REQUIREMENTS:	As required by the Building Official or Authority Having Jurisdiction to evaluate the installation of this product.	
ADVERTISEMENT:	"NEMO Evaluated" may be displayed in advertising literature. If any portion of the NER is displayed, it shall be displayed in its entirety.	
CERTIFICATION OF INDEPENDENCE:	✓ NEMO CERT, LLC has not, nor does it intend to acquire or will 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.	



1. CODES, PROPERTIES AND STANDARDS:

CODE	SECTION	PROPERTY	STANDARD
2018 International Building Code	1504.3.1	Wind resistance	FM 4474 or UL1897
	1504.6	Physical properties	ASTM G155
	1504.7	Impact resistance	FM 4470
	1505.1	Fire Classification	UL 790
	1507.10.2	Material standard	ASTM D2178, D4897
	1507.10.2, 1507.11.2.1	Material standard	ASTM D4601
	1507.11.2	Material standard	ASTM D6163, D6164, D6222
	1507.13.2	Material standard	ASTM D4434
2018 International Residential Code	R902.1	Fire Classification	UL 790
	R905.9.2	Material standard	ASTM D2178, D4897
	R905.9.2, R905.11.2.1	Material standard	ASTM D4601
	R905.11.2	Material standard	ASTM D6163, D6164, D6222
	R905.13.2	Material standard	ASTM D4434
2021 International Building Code	1504.4.1	Wind resistance	FM 4474 or UL1897
	1507.7	Physical properties	ASTM G155
	1504.8	Impact resistance	FM 4470
	1505.1	Fire Classification	UL 790
	1507.10.2	Material standard	ASTM D2178, D4897
	1507.10.2, 1507.11.2.1	Material standard	ASTM D4601
	1507.11.2	Material standard	ASTM D6163, D6164, D6222
	1507.12.2	Material standard	ASTM D4434
2021 International Residential Code	R902.1	Fire Classification	UL 790
	R905.9.2	Material standard	ASTM D2178, D4897
	R905.9.2, R905.11.2.1	Material standard	ASTM D4601
	R905.11.2	Material standard	ASTM D6163, D6164, D6222
	R905.13.2	Material standard	ASTM D4434
2022 California Building Code	1504.4.1	Wind resistance	FM 4474
	1504.7	Physical properties	ASTM G154
	1504.8	Impact resistance	FM 4470
	1505.1	Fire Classification	UL 790
	1507.10.2	Material standard	ASTM D2178, D4897
	1507.10.2, 1507.11.2.1	Material standard	ASTM D4601
	1507.11.2	Material standard	ASTM D6163, D6164, D6222
	1507.12.2	Material standard	ASTM D4434
2022 California Residential Code	R902.1	Fire Classification	UL 790
	R905.9.2	Material standard	ASTM D2178, D4897
	R905.9.2, R905.11.2.1	Material standard	ASTM D4601
	R905.11.2	Material standard	ASTM D6163, D6164, D6222
	R905.13.2	Material standard	ASTM D4434
2023 Florida Building Code, 8 th Edition	1504.3.1	Wind resistance	FM 4474
	1504.6	Physical properties	ASTM G154
	1504.7	Impact resistance	FM 4470
	1505.1	Fire Classification	UL 790
	1507.10.2, TAS 110	Material standard	ASTM D2178, D4601, D4897
	1507.11.2, TAS 110	Material standard	ASTM D6163, D6164, D6222
	1507.12.2, TAS 110	Material standard	ASTM D4434
	TAS 110	Resistance to Foot Traffic	TAS 114, Section 8.9
	TAS 110	Wind resistance	TAS 114, Appendix C, D or J
	TAS 110	Susceptibility Hail Damage	TAS 114, Appendix F
	TAS 110	Susceptibility to Leakage	TAS 114, Appendix G
2023 Florida Building Code, Residential 8 th Edition	R902.1	Fire Classification	UL 790
	R905.9.2	Material standard	ASTM D2178, D4601, D4897
	R905.11.2	Material standard	ASTM D6163, D6164, D6222
	R905.13.2	Material standard	ASTM D4434



2. PRODUCTS:

TABLE 1A: EVALUATED MEMBRANES (NEMO Certified. Consult Directory of Certified Products for production location(s))					
TYPE	PRODUCT		MATERIAL STANDARD		
	NAME		REFERENCE	TYPE	GRADE
ROOF COVER OR CAP PLY	Elevate PVC	50, 60, 80-mil	ASTM D4434	III	N/A
	Elevate PVC XR	60, 80-mil	ASTM D4434	III	N/A
	Elevate PVC KEE	50, 60, 80-mil	ASTM D4434	III	N/A
	Elevate PVC KEE XR	50, 60, 80-mil	ASTM D4434	III	N/A
	Elevate PVC KEE XRT	50, 60, 80-mil	ASTM D4434	III	N/A
	Elevate Max PVC	50, 60-mil	ASTM D4434	III	N/A
	Elevate Max 080 PVC	80-mil	ASTM D4434	III	N/A
	Elevate Max PVC XR	50, 60-mil	ASTM D4434	III	N/A
	Elevate Max 080 PVC XR	80-mil	ASTM D4434	III	N/A
BASE SHEETS	Elevate MB Base		ASTM D4601	II	N/A
BASE PLY OR VAPOR BARRIER MEMBRANES	Elevate Ply IV		ASTM D2178	IV	N/A
	Elevate Ply VI		ASTM D2178	VI	N/A
	Elevate MB Base		ASTM D4601	II	N/A
	Elevate SBS PolyBase		ASTM D6164	I	S
	Elevate SBS Poly Torch Base		ASTM D6164	I	S
	Elevate SBS Premium Poly Base		ASTM D6164	II	S
	Elevate APP 160		ASTM D6222	I	S
	Elevate APP 170 and Elevate APP 170 COOL		ASTM D6222	I	S

TABLE 1B: EVALUATED MEMBRANES (Contact contact@nemocert.com for production location(s) of non-Certified products)					
TYPE	PRODUCT		MATERIAL STANDARD		
	NAME		REFERENCE	TYPE	GRADE
BASE SHEETS	Elevate SBS Base		ASTM D6163	I	S
	Elevate Venting Base Sheet		ASTM D4897	II	N/A
BASE PLY OR VAPOR BARRIER MEMBRANES	Elevate SBS Base		ASTM D6163	I	S
	Elevate SBS Premium Base		ASTM D6163	I	S
	Elevate SBS Glass Torch Base		ASTM D6163	I	S
	Elevate SBS Glass Torch Base 1.5		ASTM D6163	I	S
	Elevate SBS Smooth		ASTM D6164	I	S
	Elevate APP 160 COOL		ASTM D6222	I	S

TABLE 2: COMPONENTS BY OTHERS (4.1.3)				
TYPE	HOLCIM PRODUCT	ACCEPTABLE ALTERNATE	FBC	NOA¹
ROOFING FASTENERS:	Elevate All-Purpose Fastener	N/A	N/A	N/A
	Elevate All-Purpose S Fastener	N/A	N/A	N/A
	Elevate Heavy Duty Fastener	N/A	N/A	N/A
	Elevate Heavy-Duty Plus Fastener	N/A	N/A	N/A
	Elevate #12 Fasteners	N/A	N/A	N/A
	Elevate Concrete Drive Fastener	N/A	N/A	N/A
	Elevate Purlin Fastener	N/A	N/A	N/A
	HailGard Fastener (steel only)	N/A	N/A	N/A
	Two Piece Impact Nail	N/A	N/A	N/A

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



TABLE 2 (CONTINUED): COMPONENTS BY OTHERS (4.1.3)				
TYPE	HOLCIM PRODUCT	ACCEPTABLE ALTERNATE	FBC	NOA¹
ROOFING FASTENERS:	Elevate 1.7 in. Assembled LWC Base Ply Fastener	N/A	N/A	N/A
	Elevate HD Plus Seam Plate	N/A	N/A	N/A
	Elevate HD Seam Plate	N/A	N/A	N/A
	Elevate Insulation Fastening Plate	N/A	N/A	N/A
	Elevate PVC InvisiWeld Plate	N/A	N/A	N/A
INSULATIONS:	ISOGARD GL	ISO 95+ GL	FL35402	23-0613.13
	ISOGARD CG	RESISTA		
	ISOGARD HD	N/A		
	ISOGARD HD Composite	N/A	N/A	N/A
	ISOGARD HG	Elevate HailGard	N/A	N/A
	N/A	DensDeck	FL1250	22-1223.04
	N/A	DensDeck Prime / DensDeck StormX Prime Roof Board		
	N/A	DEXcell FA Glass Mat Roof Board	FL17840	20-0212.01
	N/A	DEXcell Cement Roof Board		
	N/A	Insulfoam I	N/A	22-0628.10
	N/A	SECUROCK Gypsum-Fiber Roof Board	FL4264	21-0923.05
	N/A	Structodek High Density Fiberboard Roof Insulation	FL13792	23-0623.03
	N/A	Styrofoam Brand Roofmate	FL38732	23-1121.01
	N/A	Styrofoam Brand Highload 60		
	N/A	Celcore Cellular Concrete	FL2037	24-0906.02
	N/A	Celcore MF Cellular Concrete		
ADHESIVES:	I.S.O. Stick	N/A	N/A	N/A
	I.S.O. Twin Pack	N/A	N/A	N/A
	I.S.O. Spray R	N/A	N/A	24-0130.01
	Jet Bond PVC Spray Adhesive	N/A	N/A	24-0130.01
	PVC LVOC Bonding Adhesive	N/A	N/A	24-0130.01
	PVC Water Based Bonding Adhesive	N/A	N/A	24-0130.01
	Twin Jet	N/A	N/A	24-0130.01
	Twin Jet Y	Polyset Commercial Roof Adhesive	FL1365	21-1115.05
	Multi-Purpose MB Cold Adhesive	N/A	N/A	24-0130.01
	XR Stick Membrane Adhesive	N/A	N/A	24-0130.01
	LiquiGard	N/A	N/A	N/A
PRIMERS:	V-Force SB Primer	N/A	N/A	N/A
ROLL GOODS:	V-Force	N/A	N/A	N/A



3. INSTALLATION:

3.1 **Elevate PVC, Elevate PVC KEE and Elevate Max PVC 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.

FASTENER REFERENCES		
ROOF DECK	PARTS	FASTENER ENGAGEMENT
WOOD, ENGINEERED SHEATHING OR PLANK	Elevate All-Purpose Fastener or Heavy-Duty Fastener with Elevate Insulation Fastening Plate	Min. 0.75-inch penetration (engineered sheathing) or min. 1-inch embedment (plank)
STEEL	Elevate #12 Fastener, All-Purpose Fastener, All-Purpose S Fastener or Heavy-Duty Fastener with Elevate Insulation Fastening Plate	Min. 0.75-inch penetration
STRUCTURAL CONCRETE	Elevate Heavy-Duty Fastener or Concrete Drive Fastener with Elevate Insulation Fastening Plate	Non-HVHZ: Min. 1-inch embedment HVHZ: Min. 1.25-inch embedment

3.1.2 **Insulation:**

- (a) Unless otherwise noted, insulation may be any one layer or combination of Approved board(s) that meet IBC 1505, IBC R902, CBC 1505, CRC R902, FBC 1505, FBC R902 or FBC HVHZ 1516 and, for foam plastic, IBC, CBC, FBC Chapter 26, when installed with the roof cover.
- (b) For Structural Concrete Deck or Recover Applications using System Type C-1 the base insulation layer is optional and using System Type C-2, D-1 or D-2, the insulation is optional. Alternatively, an Approved insulation board or coverboard may be used as a separation layer. Board products shall be preliminarily attached prior to roof cover installation. The separator component shall be documented as meeting IBC 1505, IBC R902, CBC 1505, CRC R902, FBC 1505, FBC R902 or FBC HVHZ 1516 and, for foam plastic, IBC, CBC, FBC Chapter 26, when installed with the roof cover in Recover applications.
- (c) Minimum 200 psi, minimum 2-inch thick Approved lightweight insulating concrete may be substituted for, or installed below, rigid insulation board for System Types B-1, C-1, C-2, D-1 or D-2, whereby fasteners are installed through the lightweight insulating concrete to engage the structural deck. The structural deck shall be of equal or greater type, thickness and strength to the steel and structural concrete deck listings. Roof decks and structural members shall be in accordance with applicable Code requirements to the satisfaction of the Authority Having Jurisdiction. This is a wind uplift resistance allowance and does not purport to address non-wind-uplift-related issues, such as deck venting or moisture levels within the LWIC and the potential effect on overlying components.
- (d) Preliminary insulation attachment:
 - IBC, CBC, 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.
- (e) Lightweight insulating concrete (LWIC) shall be cast in accordance with FBC Section 1917 to the satisfaction of the Authority Having Jurisdiction. For systems where specific LWIC is referenced, refer to current LWIC [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 Section 1917.4.1, Point 1. For “pre-existent” LWIC references, listings were established through testing over lightweight concrete cast using only foaming agent (ASTM C896), water and Portland cement (ASTM C150), with no proprietary additives, in accordance with procedures adopted by Miami-Dade BCCO (FBC CER1592). Use of these listings in new construction or re-roof (tear-off) applications is at the discretion of the Designer or Record and Authority Having Jurisdiction.

3.1.3 **Insulation Adhesives:**

- (a) Unless otherwise noted, insulation adhesive application rate is continuous ribbons, maximum 12-inch o.c. Ribbons shall be applied and insulation boards shall be set in accordance with the manufacturer’s published instructions. When multiple layers(s) of insulation and/or coverboard are installed in ribbon-applied adhesive, boards shall be staggered from layer-to-layer. The maximum edge distance from the adhesive ribbon to the edge of the insulation board shall be not less than one-half the specified ribbons spacing. Concrete deck shall be primed with ASTM D41 primer prior to asphalt-application.



INSULATION ADHESIVE REFERENCES		
BY	ADHESIVE	RATE
Holcim	I.S.O. Spray R	Continuous 0.5 to 0.75-inch ribbons, 12-inch o.c.
	I.S.O. Stick	Continuous 0.75 to 1-inch ribbons, 12-inch o.c. (PaceCart, SpotShot or Canister)
	I.S.O. Twin Pack	Continuous 0.5 to 0.75-inch ribbons, 12-inch o.c.
	Twin Jet	Continuous 0.75-inch ribbons, 12-inch o.c. Note: Twin Jet may be used where I.S.O. Stick is referenced herein for insulation securement.
	Twin Jet Y	Continuous 0.75-inch ribbons, 12-inch o.c.
Generic, ASTM D312, Type IV	Hot asphalt	Full coverage at 25-30 lbs/square

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

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

- (c) Adhered Insulation, Board Size:

- IBC, CBC, 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.

MEMBRANE / ADHESIVE COMBINATIONS					
REFERENCE	LAYER	MEMBRANE	ADHESIVE	APPLICATION	RATE
BB1-JBSA	Roof Cover:	Elevate PVC	Jet Bond PVC Spray Adhesive	Contact (both sides)	4.1 to 5.8 lbs/square with a 50% overlap
BB2-JBSA	Roof Cover:	Elevate Max PVC or Max 080 PVC	Jet Bond PVC Spray Adhesive	Contact (both sides)	4.1 to 5.8 lbs/square with a 50% overlap
BB1-LVOC	Roof Cover:	Elevate PVC or PVC KEE	PVC LVOC Bonding Adhesive	Contact (both sides)	0.84-1.0 gal/square per surface [1.67-2.0 gal/square (50-60 ft ² /gal) finish]
BB2-LVOC	Roof Cover:	Elevate Max PVC or Max 080 PVC	PVC LVOC Bonding Adhesive	Contact (both sides)	0.84-1.0 gal/square per surface [1.67-2.0 gal/square (50-60 ft ² /gal) finish]
BB-WBBA	Roof Cover:	Elevate PVC, Max PVC or Max 080 PVC	PVC Water Based Bonding Adhesive	Wet lay (substrate)	0.56-0.71 gal/square (140-180 ft ² /gal)
XR-HA	Roof Cover or Cap Ply:	Elevate PVC KEE XRT	Hot asphalt	Wet lay (substrate)	20-40 lbs/square
XR1-ISOSR	Roof Cover:	Elevate PVC XR or PVC KEE XR	I.S.O. Spray R	Wet lay (substrate)	RIBBONS: Continuous ribbons, spaced as noted herein FULL: Spray applied to 1/8 – 3/4" thick



MEMBRANE / ADHESIVE COMBINATIONS					
REFERENCE	LAYER	MEMBRANE	ADHESIVE	APPLICATION	RATE
XR2-ISOSR	Roof Cover:	Elevate Max PVC XR or Max 080 PVC XR	I.S.O. Spray R	Wet lay (substrate)	RIBBONS: Continuous ribbons, spaced as noted herein FULL: Spray applied to 1/8 – ¼" thick
XR-TJ	Roof Cover or Cap Ply:	Elevate PVC XR, PVC KEE XR, Max PVC XR or Max 080 PVC XR	Twin Jet or Twin Jet Y	Wet lay (substrate)	RIBBONS: Continuous ribbons, spaced as noted herein or SPATTER: Spatter-pattern at 0.32 gal/square.
XR1-WBBA	Roof Cover:	Elevate PVC XR or PVC KEE XR	PVC Water Based Bonding Adhesive	Wet lay (substrate)	0.83-1.0 gal/square (100-120 ft ² /gal)
XR2-WBBA	Roof Cover:	Elevate Max PVC XR or Max 080 PVC XR	PVC Water Based Bonding Adhesive	Wet lay (substrate)	0.83-1.0 gal/square (100-120 ft ² /gal)
XR1-XRSMA	Roof Cover or Cap Ply:	Elevate PVC XR or PVC KEE XR	XR Stick Membrane Adhesive	Wet lay (substrate)	RIBBONS: Continuous ribbons, spaced as noted herein
XR2-XRSMA	Roof Cover or Cap Ply:	Elevate Max PVC XR or Max 080 PVC XR	XR Stick Membrane Adhesive	Wet lay (substrate)	RIBBONS: Continuous ribbons, spaced as noted herein
SBS-AA	Base Ply:	SBS Base, SBS PolyBase, SBS Premium Base, SBS Premium Poly Base, SBS Smooth	Hot asphalt	Wet lay (substrate)	20-40 lbs/square
SBS-TA	Base Ply:	SBS Poly Torch Base, SBS Glass Torch Base, SBS Glass Torch Base 1.5	Torch-applied	Torch	Torch, full-bond

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

3.1.5 Vapor barrier:

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

VAPOR BARRIER OPTIONS; STRUCTURAL CONCRETE DECK; FOLLOWED BY ADHESIVE-APPLIED INSULATION					
OPTION #	PRIMER	VAPOR BARRIER		ADHESIVE PER TABLE 3A	MDP (psf)
		TYPE	APPLICATION		
C-VB-1.	ASTM D41	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	LiquiGard, 1.5-2.0 gal/sq.	I.S.O. Spray R, 12-inch o.c.	-240.0*
C-VB-3.	None	MB Base	LiquiGard, 1.5-2.0 gal/sq.	I.S.O. Twin Pack, 12-inch o.c.	-240.0*
C-VB-4.	None	SBS Base, SBS PolyBase, SBS Premium Base, SBS Premium Poly Base	LiquiGard, 1.5-2.0 gal/sq.	I.S.O. Spray R, 12-inch o.c.	-240.0*
C-VB-5.	None	SBS Base, SBS PolyBase, SBS Premium Base, SBS Premium Poly Base	LiquiGard, 1.5-2.0 gal/sq.	I.S.O. Twin Pack, 12-inch o.c.	-240.0*
C-VB-6.	ASTM D41	MB Base	I.S.O. Twin Pack, 4" o.c.	I.S.O. Twin Pack, 12-inch o.c.	-232.5*
C-VB-7.	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*



VAPOR BARRIER OPTIONS; STRUCTURAL CONCRETE DECK; FOLLOWED BY ADHESIVE-APPLIED INSULATION					
OPTION #	PRIMER	VAPOR BARRIER		ADHESIVE PER TABLE 3A	MDP (psf)
		TYPE	APPLICATION		
C-VB-8.	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, 12-inch o.c.	-495.0*
C-VB-9.	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, 12-inch o.c.	-495.0*
C-VB-10.	V-Force SB Primer	V-Force Vapor Barrier	Self-adhering	I.S.O. Spray R, 12-inch o.c.	-255.0*
C-VB-11.	V-Force SB Primer	V-Force Vapor Barrier	Self-adhering	I.S.O. Stick, 12-inch o.c.	-262.5*
C-VB-12.	V-Force SB Primer	V-Force Vapor Barrier	Self-adhering	I.S.O. Twin Pack, 12-inch o.c.	-255.0*

3.1.6 Insulation or Coverboard attachment patterns:

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

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)			

**INSULATION ATTACHMENT PATTERNS – 4x8 FT BOARDS**

1 per 5.30 ft ² (6 per board)	1 per 4.0 ft ² (8 per board)	1 per 3.2 ft ² (10 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 1.45 ft ² (22 per board)	1 per 1.3 ft ² (24 per board)	1 per 1.0 ft ² (32 per board)



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.
- (c) Unless otherwise noted, reference to 'structural concrete' pertains to min. 2,500 psi structural concrete, and excludes 'structural lightweight concrete'.
- (d) The table below lists various 'as-tested' deck conditions in accordance with [Testing Application Standard](#) TAS 114(J). Steel deck stress analysis is the responsibility of others to the satisfaction of the Authority Having Jurisdiction.

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)
19/32-inch APA rated CDX plywood	24	8d ring shank nails	6	-75.0
	24	#8 wood screws	6	-82.5
22 ga., Type B, Grade 33 steel	72	#12 HWH Tek's 5 with 3/4" steel washers	6	-60.0
	72	5/8" puddle welds	6	-60.0
	72	#12 HWH Tek's 5	6	-75.0
	72	Two (2) #12 HWH Tek's 5	6	-105.0
22 ga., Type BV, Grade 40 steel	72	#12 HWH Tek's 5	6	-52.5
22 ga., Type B, 50 ksi steel	72	#12-24 x 1-1/4" HWH screw	6	-60.0
	72	5/8" puddle welds	6	-67.5
22 ga., Type B, 60 ksi steel	72	5/8" puddle welds	6	-82.5
22 ga., Type B, 80 ksi steel	72	Two (2) #12 HWH Tek's 5	6	-135.0
	72	#12 HWH Tek's 5 with 3/4" steel washers	6	-142.5

4.1.3 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 [Florida Product Approval](#) or [NOA](#) of the component manufacturer.

4.2 Jurisdiction Specific:

IBC, CBC, FBC Non-HVHZ		FBC HVHZ	
4.2.1	This NER does not include evaluation of fire classification. Refer to IBC, CBC, FBC 1505 , UL TGFU.R9516 and the fire classification certificate for the roof cover manufacturer for requirements and limitations regarding roof assembly fire classification. Refer to IBC, CBC or FBC 2603 for requirements and limitations concerning the use of foam plastic insulation.	4.2.1	This NER does not include evaluation of fire classification. Refer to FBC HVHZ 1516 , UL TGFU.R9516 and the fire classification certificate for the roof cover manufacturer for requirements and limitations regarding roof assembly fire classification. Refer to FBC 2603 for requirements and limitations concerning the use of foam plastic insulation.
4.2.2	This NER does not include evaluation of roof edge termination. Refer to IBC, CBC 1504.6 or FBC 1504.5 for requirements and limitations regarding edge securement for low-slope roofs.	4.2.2	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.
4.2.3	Refer to IBC, CBC 1512 or FBC 1511 for requirements and limitations regarding recover installations.	4.2.3	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](#).
- (b) For adhered re-roof (tear off) installation, the existing substrate shall be examined for compatibility with the adhesive. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with [ANSI/SPRI IA-1](#), [FM Loss Prevention Data Sheet 1-52](#) or [TAS 124](#) shall be conducted on mock-ups of the proposed interface.
- (c) For adhered recover installation, the existing roof system shall meet project design pressure requirements on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with [FM Loss Prevention Data Sheet 1-52](#) or [TAS 124](#).

For mechanical attachment to existing roof decks, fasteners shall be tested for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with [TAS 105](#).

For adhered re-roof (tear off) installation, the existing substrate shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with [TAS 124](#) shall be conducted on mock-ups of the proposed interface.

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

4.2.4 Wind Load Resistance:

- (a) Refer to [Section 4.3](#) for a tabulated summary of assembly listings and maximum allowable design pressures.
- (b) “MDP” = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (*the 2 to 1 margin of safety per [FBC 1504.9](#) has already been applied*). Refer to [IBC](#), [CBC](#), [FBC 1609](#) for determination of design wind loads.
- (c) The MDP for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with [IBC](#), [CBC](#), [FBC Chapter 16](#). Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are [ANSI/SPRI WD1](#), [FM Loss Prevention Data Sheet 1-29](#), [RAS 117](#) and [RAS 137](#). Assemblies marked with an asterisk* carry the limitations set forth in [Section 2.2.10.1 of \[FM Loss Prevention Data Sheet 1-29\]\(#\)](#) for Zone 2/3 enhancements.
- (d) For fully-adhered installations, the maximum design pressure for the selected assembly shall meet or exceed the critical design pressure. Rational analysis is not permitted.

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

The MDP for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with [FBC HVHZ 1620](#) or [RAS 128](#). Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Analysis shall be in accordance with [RAS 117](#) or [RAS 137](#).

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



4.3 System Listings and Allowable Design Pressures: See [Section 4.2.4](#)

APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE					
TABLE	DECK	APPLICATION	TYPE	DESCRIPTION	PAGE
1A	Wood	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	13
1B	Wood	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	14
1C	Wood	New, Reroof (Tear-Off), Recover	C-2	Mechanically Attached Insulation, Induction Welded Roof Cover	18
1D	Wood	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover	21
2A	Steel	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	21
2B	Steel	New or Reroof (Tear-Off)	A-2	Bonded Vapor Barrier, Bonded Insulation, Bonded Roof Cover	21
2C	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	B-1	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	22
2D	Steel	New, Reroof (Tear-Off)	B-1	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Multi-Ply Roof Cover	29
2E	Steel	New, Reroof (Tear-Off)	B-2	Mech. Attached Thermal Barrier, Bonded Temp Roof, Bonded Insulation, Bonded Roof Cover	30
2F	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	32
2G	Steel	New, Reroof (Tear-Off)	C-1	Mechanically Attached Insulation, Bonded Multi-Ply Roof Cover	39
2H	Steel	New, Reroof (Tear-Off) or Recover	C-2	Mechanically Attached Insulation, Induction Welded Roof Cover	40
2I	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover	41
3A	Structural concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	41
3B	Structural concrete	New, Reroof (Tear-Off) or Recover	C-2	Mechanically Attached Insulation, Induction Welded Roof Cover	55
4A	Lightweight concrete	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	56
4B	Lightweight concrete	New or Reroof (Tear-Off)	B-1	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	69
4C	Lightweight concrete	New or Reroof (Tear-Off)	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	70
4D	Lightweight concrete	New or Reroof (Tear-Off)	E-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Multi-Ply Roof Cover	71
4E	Lightweight concrete	New, Reroof (Tear Off)	F	Non-Insulated, Bonded Roof Cover	71
5A	Cementitious wood fiber	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	72
5B	Cementitious wood fiber	Reroof (Tear-Off) or Recover	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	74
6A	Existing gypsum	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	75
6B	Existing gypsum	Reroof (Tear-Off) or Recover	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	77
7A	Various	Recover	A-1	Bonded Insulation, Bonded Roof Cover	79
7B	Steel	Recover	C-2	Mechanically Attached Insulation, Induction Welded Roof Cover	87
7C	Various	Recover	F	Non-insulated, Bonded Roof Cover	87



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

SYSTEM No.	Deck (4.1.2)	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)	MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)		
ELEVATE PVC, PVC KEE, MAX PVC OR MAX 080 PVC APPLICATIONS:							
W-1.	OSB, APA rated, 7/16 CAT, 0.418-in. thick, Exposure 1 or Plywood, 15/32-in., span rating 32/16, Grade CDX, APA rated, 4-ply at 24-in. span, fastened with #8 wood screws, 6-in. o.c. to nominal 2x10 SYP lumber at 24-in. o.c., two (2) per joist.	Min. 1.5-inch Elevate ISOGARD GL or ISOGARD CG	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack or Twin Jet	(Optional) Additional Layer(s) base insulation	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack or Twin Jet	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0
W-2.	OSB, APA rated, 7/16 CAT, 0.418-in. thick, Exposure 1 or Plywood, 15/32-in., span rating 32/16, Grade CDX, APA rated, 4-ply at 24-in. span, fastened with #8 wood screws, 6-in. o.c. to nominal 2x10 SYP lumber at 24-in. o.c., two (2) per joist.	(Optional) Min. 1.5-inch Elevate ISOGARD GL or ISOGARD CG	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack or Twin Jet	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack or Twin Jet	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-67.5
W-3.	OSB, APA rated, 7/16 CAT, 0.418-in. thick, Exposure 1 or Plywood, 15/32-in., span rating 32/16, Grade CDX, APA rated, 4-ply at 24-in. span, fastened with #8 wood screws, 6-in. o.c. to nominal 2x10 SYP lumber at 24-in. o.c., two (2) per joist.	Min. 0.25-inch DensDeck Prime	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack or Twin Jet	None	N/A	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-105.0
W-4.	OSB, APA rated, 7/16 CAT, 0.418-in. thick, Exposure 1 at 24-in. span, fastened with #8 wood screws, 6-in. o.c. to nominal 2x10 SYP lumber at 24-in. o.c., two (2) per joist.	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack or Twin Jet	None	N/A	BB1-JBSA, BB2-JBSA, BB1-LVOC or BB2-LVOC	-105.0
W-5.	Plywood, 15/32-in., span rating 32/16, Grade CDX, APA rated, 4-ply at 24-in. span, fastened with #8 wood screws, 6-in. o.c. to nominal 2x10 SYP lumber at 24-in. o.c., two (2) per joist.	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack or Twin Jet	None	N/A	BB1-JBSA, BB2-JBSA, BB1-LVOC or BB2-LVOC	-157.5
ELEVATE PVC XR, PVC KEE XR, MAX PVC XR OR MAX 080 PVC XR APPLICATIONS:							
W-6.	OSB, APA rated, 7/16 CAT, 0.418-in. thick, Exposure 1 or Plywood, 15/32-in., span rating 32/16, Grade CDX, APA rated, 4-ply at 24-in. span, fastened with #8 wood screws, 6-in. o.c. to nominal 2x10 SYP lumber at 24-in. o.c., two (2) per joist.	Min. 1.5-inch Elevate ISOGARD GL or ISOGARD CG	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack or Twin Jet	(Optional) Additional Layer(s) base insulation	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack or Twin Jet	XR1-ISOSR (FULL), XR-TJ (SPATTER), XR1-WBBA or XR2-WBBA	-45.0
W-7.	OSB, APA rated, 7/16 CAT, 0.418-in. thick, Exposure 1 or Plywood, 15/32-in., span rating 32/16, Grade CDX, APA rated, 4-ply at 24-in. span, fastened with #8 wood screws, 6-in. o.c. to nominal 2x10 SYP lumber at 24-in. o.c., two (2) per joist.	(Optional) Min. 1.5-inch Elevate ISOGARD GL or ISOGARD CG	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack or Twin Jet	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or 0.5-inch Elevate ISOGARD HD	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack or Twin Jet	XR1-ISOSR (FULL), XR-TJ (SPATTER), XR1-WBBA or XR2-WBBA	-67.5
W-8.	OSB, APA rated, 7/16 CAT, 0.418-in. thick, Exposure 1 at 24-in. span, fastened with #8 wood screws, 6-in. o.c. to nominal 2x10 SYP lumber at 24-in. o.c., two (2) per joist.	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack or Twin Jet	None	N/A	XR1-ISOSR (FULL), XR-TJ (SPATTER), XR1-WBBA or XR2-WBBA	-105.0
W-9.	Plywood, 15/32-in., span rating 32/16, Grade CDX, APA rated, 4-ply at 24-in. span, fastened with #8 wood screws, 6-in. o.c. to nominal 2x10 SYP lumber at 24-in. o.c., two (2) per joist.	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, I.S.O. Stick, I.S.O. Twin Pack or Twin Jet	None	N/A	XR1-ISOSR (FULL), XR-TJ (SPATTER), XR1-WBBA or XR2-WBBA	-157.5



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

System No.	Deck (4.1.2)	Base Insulation Layer (4.2.3)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fastener (4.2.3)	Attach (3.1.6)		
ELEVATE PVC, MAX PVC OR MAX 080 PVC APPLICATIONS:							
W-10.	Plywood, APA, 15/32", rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD CG	3.1.1	1 per 4.0 ft²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-30.0* (NO HVHZ)
W-11.	Plywood, APA, 19/32", rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.8 ft²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0
W-12.	Plywood, APA, 15/32", rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD CG	3.1.1	1 per 2.7 ft²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
W-13.	Plywood, APA, 15/32", rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD CG	3.1.1	1 per 1.6 ft²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0
W-14.	Plywood, APA, 15/32", rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch ISOGARD HD	3.1.1	1 per 2.7 ft²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
W-15.	Plywood, APA, 15/32", rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
W-16.	Plywood, APA, 15/32", rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16" (0.418 in.), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	3.1.1	1 per 2.7 ft²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
W-17.	Plywood, APA, 15/32", rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16" (0.418 in.), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 1-inch ISOGARD GL or ISOGARD CG or min. 1.5-inch ISOGARD HD Composite	Heavy-Duty Fastener with Elevate Insulation Fastening Plate	1 per 2.7 ft²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
W-18.	Plywood, APA, 15/32", rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16" (0.418 in.), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	Heavy-Duty Fastener with Elevate Insulation Fastening Plate	1 per 2.7 ft²	BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
W-19.	Plywood, APA, 15/32", rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16" (0.418 in.), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 7/16-inch DEXcell Cement Roof Board	Heavy-Duty Fastener with Elevate Insulation Fastening Plate	1 per 2.7 ft²	BB2-JBSA	-45.0*



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

System No.	Deck (4.1.2)	Base Insulation Layer (4.2.3)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fastener (4.2.3)	Attach (3.1.6)		
W-20.	Plywood, APA, 23/32", rating 48/24, Grade CDX or nominal 1-inch wood plank	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	3.1.1	1 per 2.7 ft ²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
W-21.	Plywood, APA, 23/32", rating 48/24, Grade CDX or nominal 1-inch wood plank	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 2.7 ft ²	BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
W-22.	Plywood, APA, 23/32", rating 48/24, Grade CDX or nominal 1-inch wood plank	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 2.7 ft ²	BB2-JBSA	-45.0*
W-23.	Plywood, APA, 19/32", rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16" (0.418 in.), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.1 ft ²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
W-24.	Plywood, APA, 19/32", rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16" (0.418 in.), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 2.1 ft ²	BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
W-25.	Plywood, APA, 19/32", rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16" (0.418 in.), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 2.1 ft ²	BB2-JBSA	-45.0*
W-26.	Plywood, APA, 15/32", rating 32/16, Grade CDX	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.8 ft ²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0
W-27.	Plywood, APA, 15/32", rating 32/16, Grade CDX	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 1.8 ft ²	BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0
W-28.	Plywood, APA, 15/32", rating 32/16, Grade CDX	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 1.8 ft ²	BB2-JBSA	-45.0
W-29.	Plywood, APA, 15/32", rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.8 ft ²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0
W-30.	Plywood, APA, 15/32", rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.6 ft ²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0
W-31.	Plywood, APA, 19/32", rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.6 ft ²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0
W-32.	Plywood, APA, 19/32", rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 1.6 ft ²	BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0



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

System No.	Deck (4.1.2)	Base Insulation Layer (4.2.3)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fastener (4.2.3)	Attach (3.1.6)		
W-33.	Plywood, APA, 19/32", rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 1.6 ft ²	BB2-JBSA	-45.0
W-34.	Plywood, APA, 15/32", rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.13 ft ²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-52.5
W-35.	Plywood, APA, 15/32", rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.8 ft ²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-67.5
ELEVATE PVC KEE APPLICATIONS:							
W-36.	Plywood, APA, 15/32", rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD CG	3.1.1	1 per 4.0 ft ²	BB1-LVOC	-30.0* (NO HVHZ)
W-37.	Plywood, APA, 19/32", rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.8 ft ²	BB1-LVOC	-45.0
W-38.	Plywood, APA, 15/32", rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD CG	3.1.1	1 per 2.7 ft ²	BB1-LVOC	-45.0*
W-39.	Plywood, APA, 15/32", rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD CG	3.1.1	1 per 1.6 ft ²	BB1-LVOC	-45.0
W-40.	Plywood, APA, 15/32", rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch ISOGARD HD	3.1.1	1 per 2.7 ft ²	BB1-LVOC	-45.0*
W-41.	Plywood, APA, 15/32", rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft ²	BB1-LVOC	-45.0*
W-42.	Plywood, APA, 15/32", rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16" (0.418 in.), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime, min. 0.5-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 2.7 ft ²	BB1-LVOC	-45.0*
W-43.	Plywood, APA, 15/32", rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16" (0.418 in.), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch DEXcell FA Glass Mat Roof Board, 7/16-inch DEXcell Cement Roof Board, min. 1-inch ISOGARD GL or ISOGARD CG or min. 1.5-inch ISOGARD HD Composite	Heavy-Duty Fastener with Elevate Insulation Fastening Plate	1 per 2.7 ft ²	BB1-LVOC	-45.0*
W-44.	Plywood, APA, 23/32", rating 48/24, Grade CDX or nominal 1-inch wood plank	(Optional for Recover) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime, min. 0.5-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 2.7 ft ²	BB1-LVOC	-45.0*
W-45.	Plywood, APA, 19/32", rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16" (0.418 in.), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 2.1 ft ²	BB1-LVOC	-45.0*



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

System No.	Deck (4.1.2)	Base Insulation Layer (4.2.3)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fastener (4.2.3)	Attach (3.1.6)		
W-46.	Plywood, APA, 15/32", rating 32/16, Grade CDX	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 1.8 ft ²	BB1-LVOC	-45.0
W-47.	Plywood, APA, 15/32", rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.6 ft ²	BB1-LVOC	-45.0
W-48.	Plywood, APA, 19/32", rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck, DEXcell FA Glass Mat Roof Board or DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 1.6 ft ²	BB1-LVOC	-45.0
W-49.	Plywood, APA, 15/32", rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.13 ft ²	BB1-LVOC	-52.5
W-50.	Plywood, APA, 15/32", rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.8 ft ²	BB1-LVOC	-67.5
ELEVATE PVC XR, MAX PVC XR, MAX 080 PVC XR OR PVC KEE XR APPLICATIONS:							
W-51.	Plywood, APA, 15/32", rating 32/16, Grade CDX	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch DEXcell FA Glass Mat Roof Board	3.1.1	1 per 1.8 ft ²	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 12-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-37.5 (NO HVHZ)
W-52.	Plywood, APA, 15/32", rating 32/16, Grade CDX	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.8 ft ²	XR2-ISOSR, XR2-XRSMA or XR2-WBBA	-37.5 (NO HVHZ)
W-53.	Plywood, APA, 15/32", rating 32/16, Grade CDX	One or more layers, min. 1.5-inch, any combination, loose laid	7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 1.8 ft ²	XR1-XRSMA (RIBBONS, 12" o.c.), XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-37.5 (NO HVHZ)
W-54.	Plywood, APA, 15/32", rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16" (0.418 in.), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or min. 0.5-inch DEXcell FA Glass Mat Roof Board	3.1.1	1 per 2.7 ft ²	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 12-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-45.0*
W-55.	Plywood, APA, 15/32", rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16" (0.418 in.), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	3.1.1	1 per 2.7 ft ²	XR2-ISOSR or XR2-XRSMA in ribbons 12-inch o.c. or XR2-WBBA	-45.0*
W-56.	Plywood, APA, 15/32", rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16" (0.418 in.), Exposure 1	(Optional) One or more layers, any combination, loose laid	7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 2.7 ft ²	XR1-XRSMA (RIBBONS, 12" o.c.), XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-45.0*



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

System No.	Deck (4.1.2)	Base Insulation Layer (4.2.3)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fastener (4.2.3)	Attach (3.1.6)		
W-57.	Plywood, APA, 15/32", rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16" (0.418 in.), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch DEXcell FA Glass Mat Roof Board, 7/16-inch DEXcell Cement Roof Board, min. 1-inch ISOGARD GL or ISOGARD CG or min. 1.5-inch ISOGARD HD Composite	Heavy-Duty Fastener with Elevate Insulation Fastening Plate	1 per 2.7 ft ²	XR-TJ (SPATTER) or XR1-WBBA	-45.0*
W-58.	Plywood, APA, 15/32", rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16" (0.418 in.), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch DEXcell FA Glass Mat Roof Board, 7/16-inch DEXcell Cement Roof Board	Heavy-Duty Fastener with Elevate Insulation Fastening Plate	1 per 2.7 ft ²	XR2-WBBA	-45.0*
W-59.	Plywood, APA, 19/32", rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16" (0.418 in.), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch DEXcell FA Glass Mat Roof Board	3.1.1	1 per 2.13 ft ²	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 12-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-45.0*
W-60.	Plywood, APA, 19/32", rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 7/16" (0.418 in.), Exposure 1	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.13 ft ²	XR2-ISOSR or XR2-XRSMA in ribbons 12-inch o.c. or XR2-WBBA	-45.0*
W-61.	Plywood, APA, 15/32", rating 32/16, Grade CDX	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.6 ft ²	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 12-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-45.0

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

System No.	Deck (4.1.2)	Insulation Layer (4.2.3)	Attachment		Roof Cover (3.1.4)	MDP (psf)
			Fastener (4.2.3)	Density / Pattern		
W-62.	Plywood, APA, 19/32", rating 32/16, Grade CDX or OSB	Any approved thermal barrier and/or insulation, any combination	Elevate Heavy Duty Fastener and Elevate PVC InvisiWeld Plate	6 parts per 4 x 8 ft board 1 per 5.3 ft ²	Elevate Max PVC or Max 080 PVC induction welded using RhinoBond Installation Tool	-30.0* (NO HVHZ)
W-63.	Plywood, APA, 19/32", rating 32/16, Grade CDX	(Optional) One or more layers, any combination; preliminarily attached	Elevate All-Purpose Fastener or Elevate Heavy Duty Fastener and Elevate PVC InvisiWeld Plate	Fastener 12-inch o.c. in rows spaced 72-inch o.c. positioned atop wood trusses; minimum 0.9-inch fastener embedment into trusses	Elevate Max 080 PVC induction welded using RhinoBond Installation Tool	-37.5 (NO HVHZ)
W-64.	Plywood, APA, 19/32", rating 32/16, Grade CDX	(Optional) One or more layers, any combination; preliminarily attached	Elevate All-Purpose Fastener or Elevate Heavy Duty Fastener and Elevate PVC InvisiWeld Plate	Fastener 18-inch o.c. in rows spaced 48-inch o.c. positioned atop wood trusses; minimum 0.9-inch fastener embedment into trusses	Elevate Max 080 PVC induction welded using RhinoBond Installation Tool	-37.5 (NO HVHZ)



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

System No.	Deck (4.1.2)	Insulation Layer (4.2.3)	Attachment		Roof Cover (3.1.4)	MDP (psf)
			Fastener (4.2.3)	Density / Pattern		
W-65.	Plywood, APA, 19/32", rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 19/32" (0.578 in.), Exposure 1	Any approved thermal barrier and/or insulation, any combination	Elevate Heavy Duty Fastener and Elevate PVC InvisiWeld Plate	6 parts per 4 x 8 ft board 1 per 5.3 ft ²	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-45.0*
W-66.	Plywood, APA, 19/32", rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 19/32" (0.578 in.), Exposure 1	Any approved thermal barrier and/or insulation, any combination	Elevate Heavy Duty Fastener and Elevate PVC InvisiWeld Plate	8 parts per 4 x 8 ft board 1 per 4.0 ft ²	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-45.0*
W-67.	Plywood, APA, 19/32", rating 32/16, Grade CDX	(Optional) Any approved thermal barrier and/or insulation, any combination, preliminarily attached	Elevate Heavy Duty Fastener and Elevate PVC InvisiWeld Plate	Max. 6-inch o.c. in rows max. 72-inch o.c.	Elevate Max PVC or Max 080 PVC induction welded using RhinoBond Installation Tool	-45.0
W-68.	Plywood, APA, 15/32", rating 32/16, Grade CDX	Any approved thermal barrier and/or insulation, any combination	Elevate Heavy Duty Fastener and Elevate PVC InvisiWeld Plate	12 parts per 4 x 8 ft board 1 per 2.7 ft ²	Elevate Max PVC or Max 080 PVC induction welded using RhinoBond Installation Tool	-45.0
W-69.	OSB (NO-HVHZ), APA, 19/32" (0.578 in.), Exposure 1	(Optional) Any approved thermal barrier and/or insulation, any combination, preliminarily attached	Elevate Heavy Duty Fastener and Elevate PVC InvisiWeld Plate	Fastener 6-inch o.c. in rows spaced 96-inch o.c. positioned atop wood trusses; minimum 1.0-inch fastener embedment into trusses	Elevate Max PVC or Max 080 PVC induction welded using RhinoBond Installation Tool	-45.0
W-70.	Plywood, APA, 19/32", rating 32/16, Grade CDX	(Optional) Any approved thermal barrier and/or insulation, any combination, preliminarily attached	Elevate Heavy Duty Fastener and Elevate PVC InvisiWeld Plate	Max. 6-inch o.c. in rows max. 72-inch o.c.	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-52.5
W-71.	Plywood, APA, 19/32", rating 32/16, Grade CDX	(Optional) One or more layers, any combination; preliminarily attached	Elevate All-Purpose Fastener or Elevate Heavy Duty Fastener and Elevate PVC InvisiWeld Plate	Fastener 12-inch o.c. in rows spaced 48-inch o.c. positioned atop wood trusses; minimum 0.9-inch fastener embedment into trusses	Elevate Max 080 PVC induction welded using RhinoBond Installation Tool	-52.5
W-72.	Plywood, APA, 15/32", rating 32/16, Grade CDX	Any approved thermal barrier and/or insulation, any combination	Elevate Heavy Duty Fastener and Elevate PVC InvisiWeld Plate	12 parts per 4 x 8 ft board 1 per 2.7 ft ²	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-52.5
W-73.	Plywood, APA, 19/32", rating 32/16, Grade CDX	(Optional) Any approved thermal barrier and/or insulation, any combination, preliminarily attached	Elevate Heavy Duty Fastener and Elevate PVC InvisiWeld Plate	Max. 6-inch o.c. in rows max. 60-inch o.c.	Elevate Max PVC or Max 080 PVC induction welded using RhinoBond Installation Tool	-60.0
W-74.	Plywood, APA, 19/32", rating 32/16, Grade CDX	(Optional) One or more layers, any combination; preliminarily attached	Elevate All-Purpose Fastener or Elevate Heavy Duty Fastener and Elevate PVC InvisiWeld Plate	Fastener 6-inch o.c. in rows spaced 96-inch o.c. positioned atop wood trusses; minimum 0.9-inch fastener embedment into trusses	Elevate Max 080 PVC induction welded using RhinoBond Installation Tool	-60.0



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

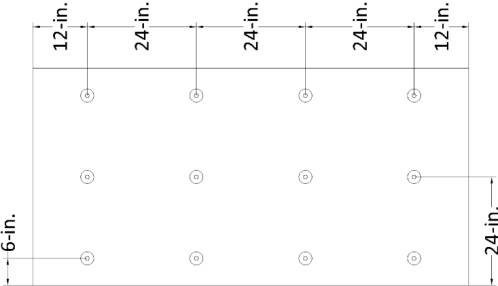
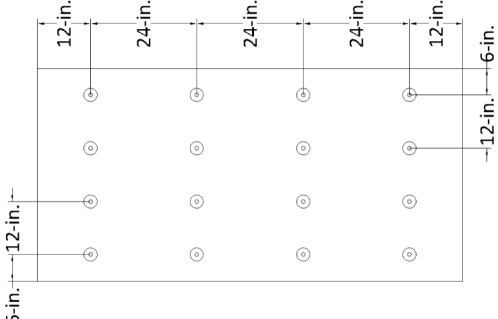
System No.	Deck (4.1.2)	Insulation Layer (4.2.3)	Attachment		Roof Cover (3.1.4)	MDP (psf)
			Fastener (4.2.3)	Density / Pattern		
W-75.	Plywood, APA, 19/32", rating 32/16, Grade CDX	One or more layers, any combination; min. 1.5-inch, min. 16 psi	Elevate All-Purpose Fastener or Elevate Heavy Duty Fastener and Elevate PVC InvisiWeld Plate	1 per 2.7 ft ² (12 parts per 4 x 8 ft bird; Fastener engage wood trusses, minimum 0.9-inch embedment) 	Elevate Max PVC or Max 080 PVC induction welded using RhinoBond Installation Tool	-60.0
W-76.	Plywood, APA, 19/32", rating 32/16, Grade CDX or OSB (NO-HVHZ), APA, 19/32" (0.578 in.), Exposure 1	(Optional) Any approved thermal barrier and/or insulation, any combination, preliminarily attached	Elevate Heavy Duty Fastener and Elevate PVC InvisiWeld Plate	Max. 6-inch o.c. in rows spaced max. 96-inch o.c. along wood structural members	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-75.0
W-77.	Plywood, APA, 19/32", rating 32/16, Grade CDX	(Optional) Any approved thermal barrier and/or insulation, any combination, preliminarily attached	Elevate Heavy Duty Fastener and Elevate PVC InvisiWeld Plate	Max. 6-inch o.c. in rows max. 60-inch o.c.	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-82.5
W-78.	Plywood, APA, 19/32", rating 32/16, Grade CDX	One or more layers, any combination; min. 1.5-inch, min. 16 psi	Elevate All-Purpose Fastener or Elevate Heavy Duty Fastener and Elevate PVC InvisiWeld Plate	1 per 2.0 ft ² (16 parts per 4 x 8 ft board; Fastener engage wood trusses, minimum 0.9-inch embedment) 	Elevate Max PVC or Max 080 PVC induction welded using RhinoBond Installation Tool	-90.0



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

System No.	Deck (4.1.2)	Insulation Layer (4.2.3)		Roof Cover (3.1.4)						MDP (psf)
		Type	Attach (3.1.2)	Membrane	Fastener (4.2.3)	Fastener Spacing	Lap Width	Row Spacing	Seam Weld	
W-79.	Plywood, APA, 15/32", rating 32/16, Grade CDX	Any approved thermal barrier and/or insulation, any combination	Prelim. attach	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE	Elevate Heavy-Duty Fastener with Elevate HD Seam Plate	5-inch o.c.	6-inch	114-inch	1.5-inch	-30.0 (NO HVHZ)

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

System No.	Deck (4.1.2)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
ELEVATE PVC, MAX PVC OR MAX 080 PVC APPLICATIONS:							
SC-1.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or I.S.O. Twin Pack, 12-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Stick or I.S.O. Twin Pack	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
SC-2.	Min. 22 ga., type B, Grade 33 steel	Min. 2-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack, 6-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Twin Pack, 6-inch o.c.	BB-WBBA	-67.5*
SC-3.	Min. 22 ga., type B, Grade 33 steel	Min. 2-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack, 6-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Twin Pack, 6-inch o.c.	BB1-JBSA, BB2-JBSA, BB1-LVOC or BB2-LVOC	-75.0*
ELEVATE PVC KEE APPLICATIONS:							
SC-4.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or I.S.O. Twin Pack, 12-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Stick or I.S.O. Twin Pack	BB1-LVOC	-45.0*
SC-5.	Min. 22 ga., type B, Grade 33 steel	Min. 2-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack, 6-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Twin Pack, 6-inch o.c.	BB1-LVOC	-75.0*

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

System No.	Deck (4.1.2)	Vapor Barrier	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
ELEVATE PVC, MAX PVC OR MAX 080 PVC APPLICATIONS:								
SC-6.	Min. 22 ga., type B, Grade 33 steel	V-Force, self-adhered to top flanges of steel deck	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R or I.S.O. Twin Pack, 12-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Spray R or I.S.O. Twin Pack	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-37.5 (NO HVHZ)
SC-7.	Min. 22 ga., type B, Grade 33 steel	V-Force, self-adhered to top flanges of steel deck	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick or I.S.O. Spray R or I.S.O. Twin Pack, 12-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Stick or I.S.O. Spray R or I.S.O. Twin Pack	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*



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

System No.	Deck (4.1.2)	Vapor Barrier	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
SC-8.	Min. 22 ga., type B, Grade 33 steel	V-Force, self-adhered to top flanges of steel deck	Min. 2-inch ISOgard GL or ISOgard CG	I.S.O. Twin Pack, 6-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Twin Pack, 6-inch o.c.	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-60.0*
ELEVATE PVC KEE APPLICATIONS:								
SC-9.	Min. 22 ga., type B, Grade 33 steel	V-Force, self-adhered to top flanges of steel deck	Min. 1.5-inch ISOgard GL or ISOgard CG	I.S.O. Spray R or I.S.O. Twin Pack, 12-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Spray R or I.S.O. Twin Pack	BB1-LVOC	-37.5 (NO HVHZ)
SC-10.	Min. 22 ga., type B, Grade 33 steel	V-Force, self-adhered to top flanges of steel deck	Min. 1.5-inch ISOgard GL or ISOgard CG	I.S.O. Stick or I.S.O. Spray R or I.S.O. Twin Pack, 12-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Stick or I.S.O. Spray R or I.S.O. Twin Pack	BB1-LVOC	-45.0*
SC-11.	Min. 22 ga., type B, Grade 33 steel	V-Force, self-adhered to top flanges of steel deck	Min. 2-inch ISOgard GL or ISOgard CG	I.S.O. Twin Pack, 6-inch o.c. along top flanges of steel deck	(Optional) Additional layers base insulation	I.S.O. Twin Pack, 6-inch o.c.	BB1-LVOC	-60.0*

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

System No.	Deck (4.1.2)	Base Insulation Layer			Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
		Type	Fastener (4.2.3)	Attach (3.1.6)	Type	Attach (3.1.3)		
ELEVATE PVC, MAX PVC OR MAX 080 PVC APPLICATIONS:								
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 ft²	Min. 0.5-inch ISOGARD HD	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-37.5* (NO HVHZ)
SC-13.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.0 ft²	Optional min. 1.5-inch ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	I.S.O. Spray R	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
SC-14.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD CG	3.1.1	1 per 2.7 ft²	Optional min. 1.5-inch ISOGARD CG followed by min. 0.5-inch Tapered ISOGARD CG	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
SC-15.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2-inch ISOGARD CG	3.1.1	1 per 4.0 ft²	Optional min. 1.5-inch ISOGARD CG followed by min. 0.5-inch Tapered ISOGARD CG	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
SC-16.	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 ft²	Min. 1.5-inch ISOGARD HD Composite	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
SC-17.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.7 ft²	Min. 1.5-inch ISOGARD HD Composite	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*



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

System No.	Deck (4.1.2)	Base Insulation Layer			Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
		Type	Fastener (4.2.3)	Attach (3.1.6)	Type	Attach (3.1.3)		
SC-18.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.0 ft ²	Min. 0.5-inch ISOGARD HD	I.S.O. Spray R or I.S.O. Twin Pack	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
SC-19.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.0 ft ²	Min. 0.5-inch ISOGARD HD	I.S.O. Stick	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
SC-20.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch ISOGARD HD	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0
SC-21.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.0 ft ²	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
SC-22.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.0 ft ²	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
SC-23.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.0 ft ²	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	BB2-JBSA	-45.0*
SC-24.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.0 ft ²	Optional min. 1.5-inch ISOGARD GL or ISOGARD CG or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch ISOGARD HD	I.S.O. Spray R	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
SC-25.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 0.5-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft ²	Optional min. 1.5-inch ISOGARD CG followed by min. 0.5-inch Tapered ISOGARD CG	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
SC-26.	Min. 22 ga., type B, Grade 33 steel or 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 or ISOGARD CG followed by min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	BB1-JBSA, BB2-JBSA, BB1-LVOC or BB2-LVOC	-45.0*
SC-27.	Min. 22 ga., type B, Grade 33 steel or 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 or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
SC-28.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack, 6-inch o.c.	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-60.0
SC-29.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack, 6-inch o.c.	BB1-LVOC, BB2-LVOC or BB-WBBA	-60.0



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

System No.	Deck (4.1.2)	Base Insulation Layer			Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
		Type	Fastener (4.2.3)	Attach (3.1.6)	Type	Attach (3.1.3)		
SC-30.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.6 ft ²	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack, 6-inch o.c.	BB2-JBSA	-60.0
SC-31.	Min. 22 ga., type B, 50 ksi steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.8 ft ²	Min. 1.5-inch ISOGARD HD Composite	I.S.O. Stick, 12-inch o.c.	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-60.0
SC-32.	Min. 22 ga., type B, 50 ksi steel or structural concrete	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.8 ft ²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick, 6-inch o.c.	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-67.5
SC-33.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.6 ft ²	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R or I.S.O. Twin Pack	BB-WBBA	-67.5
SC-34.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.6 ft ²	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R or I.S.O. Twin Pack	BB1-JBSA, BB2-JBSA, BB1-LVOC or BB2-LVOC	-75.0
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 1.6 ft ²	Min. 0.5-inch ISOGARD HD	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack, 6-inch o.c.	BB1-JBSA, BB2-JBSA, BB1-LVOC or BB2-LVOC	-82.5
ELEVATE PVC KEE APPLICATIONS:								
SC-36.	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	Min. 0.5-inch ISOGARD HD	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	BB1-LVOC	-37.5* (NO HVHZ)
SC-37.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.0 ft ²	Optional min. 1.5-inch ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	I.S.O. Spray R	BB1-LVOC	-45.0*
SC-38.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD CG	3.1.1	1 per 2.7 ft ²	Optional min. 1.5-inch ISOGARD CG followed by min. 0.5-inch Tapered ISOGARD CG	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	BB1-LVOC	-45.0*
SC-39.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2-inch ISOGARD CG	3.1.1	1 per 4.0 ft ²	Optional min. 1.5-inch ISOGARD CG followed by min. 0.5-inch Tapered ISOGARD CG	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	BB1-LVOC	-45.0*
SC-40.	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	Min. 1.5-inch ISOGARD HD Composite	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	BB1-LVOC	-45.0*
SC-41.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.7 ft ²	Min. 1.5-inch ISOGARD HD Composite	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	BB1-LVOC	-45.0*



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

System No.	Deck (4.1.2)	Base Insulation Layer			Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
		Type	Fastener (4.2.3)	Attach (3.1.6)	Type	Attach (3.1.3)		
SC-42.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOgard GL or ISOgard CG	3.1.1	1 per 2.0 ft ²	Min. 0.5-inch ISOgard HD	I.S.O. Spray R or I.S.O. Twin Pack	BB1-LVOC	-45.0*
SC-43.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2-inch ISOgard GL or ISOgard CG	3.1.1	1 per 2.0 ft ²	Min. 0.5-inch ISOgard HD	I.S.O. Stick	BB1-LVOC	-45.0*
SC-44.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2-inch ISOgard GL or ISOgard CG	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch ISOgard HD	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	BB1-LVOC	-45.0
SC-45.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOgard GL or ISOgard CG	3.1.1	1 per 2.0 ft ²	Min. 0.25-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECURock Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	BB1-LVOC	-45.0*
SC-46.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOgard GL or ISOgard CG	3.1.1	1 per 2.0 ft ²	Optional min. 1.5-inch ISOgard GL or min. 0.5-inch Tapered ISOgard GL followed by min. 0.5-inch ISOgard HD	I.S.O. Spray R	BB1-LVOC	-45.0*
SC-47.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 0.5-inch Dens Deck Prime or SECURock Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft ²	Optional min. 1.5-inch ISOgard CG followed by min. 0.5-inch Tapered ISOgard CG	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	BB1-LVOC	-45.0*
SC-48.	Min. 22 ga., type B, Grade 33 steel or 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 or ISOgard CG followed by min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	BB1-LVOC	-45.0*
SC-49.	Min. 22 ga., type B, Grade 33 steel or 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 or ISOgard CG followed by Min. 0.25-inch DensDeck Prime or SECURock Gypsum-Fiber Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	BB1-LVOC	-45.0*
SC-50.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOgard GL or ISOgard CG	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch DensDeck Prime or SECURock Gypsum-Fiber Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack, 6-inch o.c.	BB1-LVOC	-60.0
SC-51.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOgard GL or ISOgard CG	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack, 6-inch o.c.	BB1-LVOC	-60.0
SC-52.	Min. 22 ga., type B, 50 ksi steel or structural concrete	Min. 1.5-inch ISOgard GL or ISOgard CG	3.1.1	1 per 1.8 ft ²	Min. 1.5-inch ISOgard HD Composite	I.S.O. Stick, 12-inch o.c.	BB1-LVOC	-60.0
SC-53.	Min. 22 ga., type B, 50 ksi steel or structural concrete	Min. 2-inch ISOgard GL or ISOgard CG	3.1.1	1 per 1.8 ft ²	Min. 0.25-inch SECURock Gypsum-Fiber Roof Board	I.S.O. Stick, 6-inch o.c.	BB1-LVOC	-67.5



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

System No.	Deck (4.1.2)	Base Insulation Layer			Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
		Type	Fastener (4.2.3)	Attach (3.1.6)	Type	Attach (3.1.3)		
SC-54.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.6 ft ²	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R or I.S.O. Twin Pack	BB1-LVOC	-75.0
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 1.6 ft ²	Min. 0.5-inch ISOGARD HD	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack, 6-inch o.c.	BB1-LVOC	-82.5
ELEVATE PVC XR, MAX PVC XR, MAX 080 PVC XR OR PVC KEE XR APPLICATIONS (FULL BOND):								
SC-56.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.7 ft ²	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-30.0* (NO HVHZ)
SC-57.	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	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-37.5* (NO HVHZ)
SC-58.	Min. 22 ga., type B, Grade 40 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.7 ft ²	Optional additional layer(s) base insulation followed by min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-37.5 (NO HVHZ)
SC-59.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR-TJ (SPATTER)	-45.0*
SC-60.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR2-ISOSR, XR-TJ or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER)	-45.0*
SC-61.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 19/32-inch plywood	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-45.0*
SC-62.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch ISOGARD GL or ISOGARD CG followed by min. 0.5-inch ISOGARD HD	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-45.0*
SC-63.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2.25-inch ISOGARD GL or RESISTAISOGARD CG	3.1.1	1 per 4.0 ft ²	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-45.0*



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

System No.	Deck (4.1.2)	Base Insulation Layer			Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
		Type	Fastener (4.2.3)	Attach (3.1.6)	Type	Attach (3.1.3)		
SC-64.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.0 ft ²	Min. 1-inch ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR2-ISOSR, XR-TJ or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER)	-45.0*
SC-65.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.0 ft ²	Min. 1-inch ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-45.0*
SC-66.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.0 ft ²	Min. 1-inch ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-45.0*
SC-67.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.0 ft ²	Optional min. 1-inch ISOGARD GL or ISOGARD CG followed by min. 0.5-inch ISOGARD HD	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA or ISOGARD CG	-45.0*
SC-68.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack, 6-inch o.c.	XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-60.0
SC-69.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack, 6-inch o.c.	XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-60.0
SC-70.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.6 ft ²	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack, 6-inch o.c.	XR1-WBBA or XR2-WBBA	-67.5
SC-71.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch DensDeck Prime or ISOGARD HD	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack, 6-inch o.c.	XR1-WBBA or XR2-WBBA	-67.5
SC-72.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack, 6-inch o.c.	XR1-WBBA or XR2-WBBA	-67.5
SC-73.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.6 ft ²	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack, 6-inch o.c.	XR-TJ (SPATTER)	-82.5
SC-74.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch ISOGARD HD	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack, 6-inch o.c.	XR-TJ (SPATTER)	-82.5



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

System No.	Deck (4.1.2)	Base Insulation Layer			Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
		Type	Fastener (4.2.3)	Attach (3.1.6)	Type	Attach (3.1.3)		
SC-75.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch DensDeck Prime or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	XR-TJ (SPATTER)	-82.5
ELEVATE PVC XR, MAX PVC XR, MAX 080 PVC XR or PVC KEE XR APPLICATIONS (PARTIAL BOND):								
SC-76.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.7 ft ²	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 12-inch o.c.	-30.0* (NO HVHZ)
SC-77.	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	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 12-inch o.c.	-37.5* (NO HVHZ)
SC-78.	Min. 22 ga., type B, Grade 40 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.7 ft ²	Optional additional layer(s) base insulation followed by min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 12-inch o.c.	-37.5 (NO HVHZ)
SC-79.	Min. 22 ga., type B, Grade 40 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.7 ft ²	Optional additional layer(s) base insulation followed by min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR2-ISOSR or XR2-XRSMA in ribbons 12-inch o.c.	-37.5 (NO HVHZ)
SC-80.	Min. 22 ga., type B, Grade 40 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.7 ft ²	Optional additional layer(s) base insulation followed by 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR1-XRSMA (RIBBONS, 12" o.c.)	-37.5 (NO HVHZ)
SC-81.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 12-inch o.c.	-45.0*
SC-82.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 12-inch o.c.	-45.0*
SC-83.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 19/32-inch plywood	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 12-inch o.c.	-45.0*
SC-84.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2.25-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 4.0 ft ²	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 12-inch o.c.	-45.0*
SC-85.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.0 ft ²	Min. 1-inch ISOGARD GL or ISOGARD CG followed by min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 12-inch o.c.	-45.0*



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

System No.	Deck (4.1.2)	Base Insulation Layer			Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)
		Type	Fastener (4.2.3)	Attach (3.1.6)	Type	Attach (3.1.3)				
SC-86.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.0 ft ²	Min. 1-inch ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 12-inch o.c.			-45.0*
SC-87.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.0 ft ²	Min. 1-inch ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 12-inch o.c.			-45.0*
SC-88.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.0 ft ²	Min. 1-inch ISOGARD GL or ISOGARD CG followed by 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR1-XRSMA (RIBBONS, 12" o.c.)			-45.0*
SC-89.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack, 6-inch o.c.	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.			-60.0
SC-90.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack, 6-inch o.c.	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 6-inch o.c.			-60.0
SC-91.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.6 ft ²	7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack, 6-inch o.c.	XR1-XRSMA (RIBBONS, 6" o.c.)			-60.0
SC-92.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.6 ft ²	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack, 6-inch o.c.	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.			-82.5
SC-93.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.6 ft ²	Min. 0.5-inch ISOGARD HD	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack, 6-inch o.c.	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.			-82.5

TABLE 2d: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED MULTI-PLY ROOF COVER

System No.	Deck (4.1.2)	Base Insulation Layer			Top Insulation Layer		Roof Cover (3.1.4)			MDP (psf)
		Type	Fastener (4.2.3)	Attach (3.1.6)	Type	Attach (3.1.3)	Base Ply	Ply	Cap Ply	
ELEVATE PVC KEE XRT APPLICATIONS:										
SC-94.	Min. 22 ga., Type B, Grade 40 steel	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 4 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or DensDeck Prime	Hot asphalt	SBS-AA	None	XR-HA	-45.0*



TABLE 2e: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)

SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED TEMP ROOF, BONDED TOP INSULATION, BONDED ROOF COVER

Sys No.	Deck (4.1.2)	Thermal Barrier			Temp Roof	Insulation Layer(s)		Roof Cover (3.1.4)	MDP (psf)
		Type	Fasten (4.2.3)	Attach (3.1.6)		Type	Attach (3.1.3)		
ELEVATE PVC, MAX PVC OR MAX 080 PVC APPLICATIONS:									
SC-95.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft²	V-Force SB Primer; V-Force, self-adhered	Min. 1.5-inch ISOGARD GL or ISOGARD CG followed by in. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0
SC-96.	Min. 22 ga., type B, Grade 33 steel	Min. 0.25-inch Dens Deck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft²	V-Force SB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISOGARD GL or ISOGARD CG, optional min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	I.S.O. Stick	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
SC-97.	Min. 22 ga., type B, Grade 33 steel	Min. 0.25-inch Dens Deck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft²	V-Force SB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISOGARD GL or ISOGARD CG, optional min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG; Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	I.S.O. Stick	BB1-JBSA, BB2-JBSA, BB1-LVOC or BB2-LVOC	-45.0*
SC-98.	Min. 22 ga., type B, Grade 33 steel	Min. 0.25-inch Dens Deck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft²	V-Force SB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISOGARD GL or ISOGARD CG, optional min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch ISOGARD HD or min. 19/32-inch plywood	I.S.O. Stick	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
SC-99.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft²	V-Force SB Primer; V-Force, self-adhered	Min. 1.5-inch ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0
SC-100.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft²	V-Force SB Primer; V-Force, self-adhered	Min. 1.5-inch ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0
ELEVATE PVC KEE APPLICATIONS:									
SC-101.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft²	V-Force SB Primer; V-Force, self-adhered	Min. 1.5-inch ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	BB1-LVOC	-45.0
SC-102.	Min. 22 ga., type B, Grade 33 steel	Min. 0.25-inch Dens Deck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft²	V-Force SB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISOGARD GL or ISOGARD CG, optional min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	I.S.O. Stick	BB1-LVOC	-45.0*



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

Sys No.	Deck (4.1.2)	Thermal Barrier			Temp Roof	Insulation Layer(s)		Roof Cover (3.1.4)	MDP (psf)
		Type	Fasten (4.2.3)	Attach (3.1.6)		Type	Attach (3.1.3)		
SC-103.	Min. 22 ga., type B, Grade 33 steel	Min. 0.25-inch Dens Deck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft ²	V-Force SB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISOGARD GL or ISOGARD CG, optional min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG; Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	I.S.O. Stick	BB1-LVOC	-45.0*
SC-104.	Min. 22 ga., type B, Grade 33 steel	Min. 0.25-inch Dens Deck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft ²	V-Force SB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISOGARD GL or ISOGARD CG, optional min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch ISOGARD HD or min. 19/32-inch plywood	I.S.O. Stick	BB1-LVOC	-45.0*
SC-105.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	V-Force SB Primer; V-Force, self-adhered	Min. 1.5-inch ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	BB1-LVOC	-45.0
SC-106.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	V-Force SB Primer; V-Force, self-adhered	Min. 1.5-inch ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	BB1-LVOC	-45.0
ELEVATE PVC XR, MAX PVC XR, MAX 080 PVC XR OR PVC KEE XR APPLICATIONS:									
SC-107.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	V-Force SB Primer; V-Force, self-adhered	Min. 1.5-inch ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 12-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-45.0
SC-108.	Min. 22 ga., type B, Grade 33 steel	Min. 0.25-inch Dens Deck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft ²	V-Force SB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISOGARD GL or ISOGARD CG, optional min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	I.S.O. Stick	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 12-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-45.0*
SC-109.	Min. 22 ga., type B, Grade 33 steel	Min. 0.25-inch Dens Deck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft ²	V-Force SB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISOGARD GL or ISOGARD CG, optional min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG; Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	I.S.O. Stick	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 12-inch o.c. or XR-TJ (SPATTER)	-45.0*
SC-110.	Min. 22 ga., type B, Grade 33 steel	Min. 0.25-inch Dens Deck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft ²	V-Force SB Primer; V-Force, self-adhered	One or more layers min. 1.5-inch ISOGARD GL or ISOGARD CG, optional min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch ISOGARD HD or min. 19/32-inch plywood	I.S.O. Stick	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 12-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-45.0*



TABLE 2E: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)

SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED TEMP ROOF, BONDED TOP INSULATION, BONDED ROOF COVER

Sys No.	Deck (4.1.2)	Thermal Barrier			Temp Roof	Insulation Layer(s)		Roof Cover (3.1.4)	MDP (psf)
		Type	Fasten (4.2.3)	Attach (3.1.6)		Type	Attach (3.1.3)		
SC-111.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	V-Force SB Primer; V-Force, self-adhered	Min. 1.5-inch ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 12-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA or XR2- WBBA	-45.0
SC-112.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	V-Force SB Primer; V-Force, self-adhered	Min. 1.5-inch ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 12-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA or XR2- WBBA	-45.0

TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER

SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Base Insulation Layer (4.2.3)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fastener (4.2.3)	Attach (3.1.6)		
ELEVATE PVC, MAX PVC OR MAX 080 PVC APPLICATIONS:							
SC-113.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD CG	3.1.1	1 per 3.2 ft²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-30.0* (NO HVHZ)
SC-114.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.7 ft²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-37.5* (NO HVHZ)
SC-115.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD CG	3.1.1	1 per 5.3 ft²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-37.5* (NO HVHZ)
SC-116.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 4.0 ft²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
SC-117.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.25-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.7 ft²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
SC-118.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.0 ft²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
SC-119.	Min. 22 ga., type B, 50 ksi steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.7 ft²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0
SC-120.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD CG	3.1.1	1 per 2.7 ft²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*



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

System No.	Deck (4.1.2)	Base Insulation Layer (4.2.3)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fastener (4.2.3)	Attach (3.1.6)		
SC-121.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD CG	3.1.1	1 per 2.0 ft ²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
SC-122.	Min. 22 ga., type B, Grade 33 steel or 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	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
SC-123.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	3.1.1	1 per 2.0 ft ²	BB1-JBSA BB2-JBSA, BB1-LVOC or BB2-LVOC	-45.0*
SC-124.	Min. 22 ga., type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch ISOGARD HD	3.1.1	1 per 2.7 ft ²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
SC-125.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional for Recover) Min. 0.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	3.1.1	1 per 2.7 ft ²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
SC-126.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional for Recover) Min. 0.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 2.7 ft ²	BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
SC-127.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional for Recover) Min. 0.5-inch thick, one or more layers, any combination, loose laid	Min. 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 2.7 ft ²	BB2-JBSA	-45.0*
SC-128.	Min. 22 ga., type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
SC-129.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional for Recover) Min. 0.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft ²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
SC-130.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 19/32-inch plywood	HailGard Fastener (steel only)	1 per 2.7 ft ²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0
SC-131.	Min. 22 ga., type B, 50 ksi steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD CG	3.1.1	1 per 1.6 ft ²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-52.5
SC-132.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 19/32-inch plywood	HailGard Fastener (steel only)	1 per 1.6 ft ²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-52.5
SC-133.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.8 ft ²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-60.0



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

System No.	Deck (4.1.2)	Base Insulation Layer (4.2.3)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fastener (4.2.3)	Attach (3.1.6)		
SC-134.	Min. 22 ga., type B, 56 ksi steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.1 ft ²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-60.0
SC-135.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD HD Composite	3.1.1	1 per 1.3 ft ²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-60.0
SC-136.	Min. 22 ga., type B, 56 ksi steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.6 ft ²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-67.5
SC-137.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch ISOGARD HD	3.1.1	1 per 1.3 ft ²	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-67.5
SC-138.	Min. 22 ga., Type B, Grade 80 steel	(Optional) Any thickness or combination	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.0 ft ²	BB-WBBA	-67.5
SC-139.	Min. 22 ga., Type B, Grade 80 steel	(Optional) Any thickness or combination	Min. 2.0-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.0 ft ²	BB1-JBSA, BB2-JBSA or BB2-LVOC	-67.5
SC-140.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 1.3 ft ²	BB1-JBSA, BB2-JBSA, BB1-LVOC or BB2-LVOC	-75.0
SC-141.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 1.3 ft ²	BB1-LVOC, BB2-LVOC	-75.0
SC-142.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 19/32-inch plywood	3.1.1 (Heavy Duty only for steel)	1 per 2.0 ft ²	BB1-JBSA, BB2-JBSA, BB1-LVOC or BB2-LVOC	-75.0
SC-143.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Elevate HailGard	3.1.1 (Heavy Duty only for steel)	1 per 2.0 ft ²	BB1-JBSA, BB2-JBSA, BB1-LVOC or BB2-LVOC	-75.0
SC-144.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.6 ft ²	BB1-JBSA, BB2-JBSA, BB1-LVOC or BB2-LVOC	-75.0
SC-145.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD CG	3.1.1	1 per 1.6 ft ²	BB1-JBSA, BB2-JBSA, BB1-LVOC or BB2-LVOC	-75.0
SC-146.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD CG	3.1.1	1 per 1.6 ft ²	BB1-JBSA, BB2-JBSA, BB1-LVOC or BB2-LVOC	-82.5



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

System No.	Deck (4.1.2)	Base Insulation Layer (4.2.3)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fastener (4.2.3)	Attach (3.1.6)		
SC-147.	Min. 22 ga., type B, 60 ksi steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.8 ft ²	BB1-JBSA, BB2-JBSA, BB1-LVOC or BB2-LVOC	-82.5
ELEVATE PVC KEE APPLICATIONS:							
SC-148.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD CG	3.1.1	1 per 3.2 ft ²	BB1-LVOC	-30.0* (NO HVHZ)
SC-149.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.7 ft ²	BB1-LVOC	-37.5* (NO HVHZ)
SC-150.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD CG	3.1.1	1 per 5.3 ft ²	BB1-LVOC	-37.5* (NO HVHZ)
SC-151.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	3.1.1	1 per 2.0 ft ²	BB1-LVOC	-37.5* (NO HVHZ)
SC-152.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 4.0 ft ²	BB1-LVOC	-45.0*
SC-153.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.25-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.7 ft ²	BB1-LVOC	-45.0*
SC-154.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.0 ft ²	BB1-LVOC	-45.0*
SC-155.	Min. 22 ga., type B, 50 ksi steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.7 ft ²	BB1-LVOC	-45.0
SC-156.	Min. 22 ga., type B, Grade 33 steel or 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	BB1-LVOC	-45.0*
SC-157.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD CG	3.1.1	1 per 2.0 ft ²	BB1-LVOC	-45.0*
SC-158.	Min. 22 ga., type B, Grade 33 steel or 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	BB1-LVOC	-45.0*
SC-159.	Min. 22 ga., type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch ISOGARD HD	3.1.1	1 per 2.7 ft ²	BB1-LVOC	-45.0*



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

System No.	Deck (4.1.2)	Base Insulation Layer (4.2.3)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fastener (4.2.3)	Attach (3.1.6)		
SC-160.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional for Recover) Min. 0.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime, min. 0.5-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 2.7 ft ²	BB1-LVOC	-45.0*
SC-161.	Min. 22 ga., type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	BB1-LVOC	-45.0*
SC-162.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional for Recover) Min. 0.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 4.0 ft ²	BB1-LVOC	-45.0*
SC-163.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 19/32-inch plywood	HailGard Fastener (steel only)	1 per 2.7 ft ²	BB1-LVOC	-45.0
SC-164.	Min. 22 ga., type B, 50 ksi steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD CG	3.1.1	1 per 1.6 ft ²	BB1-LVOC	-52.5
SC-165.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 19/32-inch plywood	HailGard Fastener (steel only)	1 per 1.6 ft ²	BB1-LVOC	-52.5
SC-166.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.8 ft ²	BB1-LVOC	-60.0
SC-167.	Min. 22 ga., type B, 56 ksi steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.1 ft ²	BB1-LVOC	-60.0
SC-168.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD HD Composite	3.1.1	1 per 1.3 ft ²	BB1-LVOC	-60.0
SC-169.	Min. 22 ga., type B, 56 ksi steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.6 ft ²	BB1-LVOC	-67.5
SC-170.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch ISOGARD HD	3.1.1	1 per 1.3 ft ²	BB1-LVOC	-67.5
SC-171.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 1.3 ft ²	BB1-LVOC	-75.0



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

System No.	Deck (4.1.2)	Base Insulation Layer (4.2.3)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fastener (4.2.3)	Attach (3.1.6)		
SC-172.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 19/32-inch plywood	3.1.1 (Heavy Duty only for steel)	1 per 2.0 ft ²	BB1-LVOC	-75.0
SC-173.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Elevate HailGuard	3.1.1 (Heavy Duty only for steel)	1 per 2.0 ft ²	BB1-LVOC	-75.0
SC-174.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.6 ft ²	BB1-LVOC	-75.0
SC-175.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD CG	3.1.1	1 per 1.6 ft ²	BB1-LVOC	-75.0
SC-176.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD CG	3.1.1	1 per 1.6 ft ²	BB1-LVOC	-82.5
SC-177.	Min. 22 ga., type B, 60 ksi steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.8 ft ²	BB1-LVOC	-82.5
ELEVATE PVC XR, MAX PVC XR, MAX 080 PVC XR OR PVC KEE XR APPLICATIONS (FULL BOND):							
SC-178.	Min. 22 ga., type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	3.1.1	1 per 2.0 ft ²	XR2-ISOSR, XR-TJ or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER)	-30.0* (NO HVHZ)
SC-179.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.7 ft ²	XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-37.5* (NO HVHZ)
SC-180.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.0 ft ²	XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-45.0*
SC-181.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.25-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 4.0 ft ²	XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-45.0*
SC-182.	Min. 22 ga., type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	3.1.1	1 per 2.0 ft ²	XR2-ISOSR, XR-TJ or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER)	-45.0*
SC-183.	Min. 22 ga., type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or min. 0.5-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 2.7 ft ²	XR-TJ (SPATTER), XR1-WBBA or XR2-WBBA	-45.0*



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

System No.	Deck (4.1.2)	Base Insulation Layer (4.2.3)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fastener (4.2.3)	Attach (3.1.6)		
SC-184.	Min. 22 ga., type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch DEXcell FA Glass Mat Roof Board, 7/16-inch DEXcell Cement Roof Board or min. 19/32-inch plywood	3.1.1	1 per 2.0 ft ²	XR-TJ (SPATTER) or XR1-WBBA	-45.0*
SC-185.	Min. 22 ga., type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 2.0 ft ²	XR2-WBBA	-45.0*
SC-186.	Min. 22 ga., type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid (optional for recover)	Min. 0.5-inch ISOGARD HD	3.1.1	1 per 2.1 ft ²	XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-45.0*
SC-187.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.6 ft ²	XR1-WBBA or XR2-WBBA	-67.5
SC-188.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch ISOGARD HD	3.1.1	1 per 1.3 ft ²	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-67.5
SC-189.	Min. 22 ga., Type B, Grade 80 steel	(Optional) Any thickness or combination	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.0 ft ²	XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-67.5
SC-190.	Min. 22 ga., Type B, Grade 80 steel	(Optional) Any thickness or combination	Min. 2.0-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.0 ft ²	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR2-WBBA, XR1-XRSMA, XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER)	-67.5
SC-191.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.6 ft ²	XR-TJ (SPATTER)	-82.5
SC-192.	Min. 22 ga., type B, Grade 80 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.0 ft ²	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER)	-135.0
SC-193.	Min. 22 ga., type B, Grade 80 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.0 ft ²	XR-TJ (SPATTER)	-142.5
ELEVATE PVC XR, MAX PVC XR, MAX 080 PVC XR OR PVC KEE XR APPLICATIONS (PARTIAL BOND):							
SC-194.	Min. 22 ga., type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	3.1.1	1 per 2.0 ft ²	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 12-inch o.c.	-30.0* (NO HVHZ)



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

System No.	Deck (4.1.2)	Base Insulation Layer (4.2.3)	Top Insulation Layer			Roof Cover (3.1.4)	MDP (psf)
			Type	Fastener (4.2.3)	Attach (3.1.6)		
SC-195.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.7 ft ²	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 12-inch o.c.	-37.5* (NO HVHZ)
SC-196.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 2.0 ft ²	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 12-inch o.c.	-45.0*
SC-197.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.25-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 4.0 ft ²	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 12-inch o.c.	-45.0*
SC-198.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	3.1.1	1 per 1.5 ft ²	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 12-inch o.c.	-45.0*
SC-199.	Min. 22 ga., type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 19/32-inch plywood	3.1.1	1 per 2.0 ft ²	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 12-inch o.c.	-45.0*
SC-200.	Min. 22 ga., type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 19/32-inch plywood	3.1.1	1 per 2.0 ft ²	XR2-ISOSR or XR2-XRSMA in ribbons 12-inch o.c.	-45.0*
SC-201.	Min. 22 ga., type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid	7/16-inch DEXcell Cement Roof Board	3.1.1	1 per 2.0 ft ²	XR1-XRSMA (RIBBONS, 12" o.c.)	-45.0*
SC-202.	Min. 22 ga., type B, Grade 33 steel or structural concrete	One or more layers, any combination, loose laid (optional for recover)	Min. 0.5-inch ISOGARD HD	3.1.1	1 per 2.1 ft ²	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 12-inch o.c.	-45.0*
SC-203.	Min. 22 ga., Type B, Grade 80 steel	(Optional) Any thickness or combination	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.0 ft ²	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 12-inch o.c.	-67.5
SC-204.	Min. 22 ga., type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.6 ft ²	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.	-82.5

TABLE 2g: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED MULTI-PLY ROOF COVER

System No.	Deck (4.1.2)	Base Insulation Layer (4.2.3)	Top Insulation Layer			Roof Cover (3.1.4)			MDP (psf)
			Type	Fastener (4.2.3)	Attach (3.1.6)	Base Ply	Ply	Cap Ply	
SC-205.	Min. 22 ga., Type B, Grade 40 steel	One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or DensDeck Prime	3.1.1	1 per 3.2 ft ²	SBS-AA	None	XR-HA	-135.0



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

System No.	Deck (4.1.2)	Vapor Barrier	Insulation Layer (4.2.3)	Attachment		Roof Cover (3.1.4)	MDP (psf)
				Fastener (4.2.3)	Density		
SC-206.	Min. 22 ga., type B, Grade 33 steel	None	One or more layers, any combination, preliminarily attached	Elevate Heavy Duty Fastener and Elevate PVC InvisiWeld Plate	Max. 18-inch o.c. in rows max. 60-inch o.c.	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-30.0 (NO HVHZ)
SC-207.	Min. 22 ga., type B, Grade 33 steel	None	One or more layers, any combination	Elevate Heavy Duty Fastener and Elevate PVC InvisiWeld Plate	1 per 6.0 ft ² 2 x 3-ft grid	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-45.0*
SC-208.	Min. 22 ga., type B, Grade 33 steel	None	One or more layers, any combination	Elevate Heavy Duty Fastener and Elevate PVC InvisiWeld Plate	1 per 5.3 ft ² (6 parts per 4x8 ft board) Per FM LPDS 1-29	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-45.0*
SC-209.	Min. 22 ga., type B, Grade 33 steel	None	One or more layers, any combination, preliminarily attached	Elevate Heavy Duty Fastener and Elevate PVC InvisiWeld Plate	Max. 12-inch o.c. in rows max. 60-inch o.c.	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-45.0
SC-210.	Min. 22 ga., type B, 50 ksi steel	V-Force, self-adhered	Min. 2.5-inch ISOGARD GL, ISOGARD CG or ISOGARD HD Composite	Elevate Heavy Duty Fastener and Elevate PVC InvisiWeld Plate	1 per 4.0 ft ² (8 parts per 4x8 ft board) in a 24 x 24-inch grid	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-52.5
SC-211.	Min. 22 ga., type B, 50 ksi steel	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board followed by V-Force, self-adhered	Min. 2.5-inch ISOGARD GL, ISOGARD CG or ISOGARD HD Composite	Elevate Heavy Duty Fastener and Elevate PVC InvisiWeld Plate	1 per 4.0 ft ² (8 parts per 4x8 ft board) in a 24 x 24-inch grid	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-52.5
SC-212.	Min. 22 ga., type B, Grade 33 steel	None	One or more layers, any combination	Elevate Heavy Duty Fastener and Elevate PVC InvisiWeld Plate	1 per 4.0 ft ² (8 parts per 4x8 ft board) Per FM LPDS 1-29	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-60.0
SC-213.	Min. 22 ga., type B, Grade 33 steel	None	One or more layers, any combination	Elevate Heavy Duty Fastener with alternating rows of: 1.) Elevate PVC InvisiWeld Plate 2.) Elevate Insulation Fastening Plate	1 per 2.0 ft ² (16 parts per 4x8 ft board) in a 12 x 24-inch grid	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-67.5
SC-214.	Min. 22 ga., type B, Grade 33 steel	None	One or more layers, any combination	Elevate Heavy Duty Fastener and Elevate PVC InvisiWeld Plate	1 per 2.7 ft ² (12 parts per 4x8 ft board) Per FM LPDS 1-29	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-75.0
SC-215.	Min. 22 ga., type B, Grade 33 steel	None	One or more layers, any combination	Elevate Heavy Duty Fastener and Elevate PVC InvisiWeld Plate	1 per 4.0 ft ² 2 x 2-ft grid	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-75.0
SC-216.	Min. 22 ga., type B, Grade 33 steel	None	One or more layers, any combination, preliminarily attached	Elevate Heavy Duty Fastener and Elevate PVC InvisiWeld Plate	Max. 6-inch o.c. in rows max. 60-inch o.c.	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-82.5
SC-217.	Min. 22 ga., type B, Grade 33 steel	None	One or more layers, any combination	Elevate Heavy Duty Fastener and Elevate PVC InvisiWeld Plate	1 per 2.0 ft ² (16 parts per 4x8 ft board) Per FM LPDS 1-29	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-105.0



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

System No.	Deck (4.1.2)	Insulation Layer (4.2.3)		Roof Cover (3.1.4)						MDP (psf)
		Type	Attach (3.1.2)	Membrane	Fastener (4.2.3)	Fastener Spacing	Lap Width	Row Spacing	Seam Weld	
SC-218.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Prelim. attach	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE	Elevate Heavy-Duty Plus Fastener with Elevate HD Plus Seam Plate	12-inch o.c.	6-inch	114-inch	1.5-inch	-30.0 (NO HVHZ)
SC-219.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Prelim. attach	Min. 60-mil Elevate PVC or PVC KEE	Elevate Heavy-Duty Plus Fastener with Elevate HD Plus Seam Plate	12-inch o.c.	6-inch	114-inch	1.5-inch	-37.5 (NO HVHZ)
SC-220.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Prelim. attach	Elevate PVC XR, Max PVC XR, Max 080 PVC XR or PVC KEE XR	Elevate Heavy-Duty Plus Fastener with Elevate HD Plus Seam Plate	12-inch o.c.	6-inch	114-inch	1.5-inch	-37.5 (NO HVHZ)
SC-221.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Prelim. attach	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE	Elevate Heavy-Duty Fastener with Elevate HD Seam Plate	6-inch o.c.	6-inch	114-inch	1.5-inch	-45.0
SC-222.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Prelim. attach	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE	Elevate Heavy-Duty Fastener with Elevate HD Seam Plate	12-inch o.c.	6-inch	54-inch	1.5-inch	-52.5
SC-223.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Prelim. attach	Min. 60-mil Elevate PVC or PVC KEE	Elevate Heavy-Duty Fastener with Elevate HD Seam Plate	6-inch o.c.	6-inch	114-inch	1.5-inch	-52.5
SC-224.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Prelim. attach	Elevate PVC XR, Max PVC XR, Max 080 PVC XR or PVC KEE XR	Elevate Heavy-Duty Fastener with Elevate HD Seam Plate	6-inch o.c.	6-inch	114-inch	1.5-inch	-52.5
SC-225.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Prelim. attach	Min. 60-mil Elevate PVC or PVC KEE	Elevate Heavy-Duty Plus Fastener with Elevate HD Plus Seam Plate	12-inch o.c.	6-inch	54-inch	1.5-inch	-60.0
SC-226.	Min. 22 ga., Type B, Grade 33 steel	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Prelim. attach	Elevate PVC XR, Max PVC XR, Max 080 PVC XR or PVC KEE XR	Elevate Heavy-Duty Plus Fastener with Elevate HD Plus Seam Plate	12-inch o.c.	6-inch	54-inch	1.5-inch	-60.0

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

REFER TO 3.1.5 FOR VAPOR BARRIER OPTIONS

System No.	Deck (4.1.2)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
ELEVATE PVC, MAX PVC OR MAX 080 PVC APPLICATIONS:								
C-1	Structural concrete	None	Min. 1.5-inch ISOGARD CG	6-inch o.c.	(Optional) Additional layers of base insulation	6-inch o.c.	BB1-JBSA	-255.0
C-2	Structural concrete	None	Min. 1.5-inch ISOGARD CG	6-inch o.c.	(Optional) Additional layers of base insulation	6-inch o.c.	BB1-LVOC, BB2-LVOC or BB-WBBA	-337.5
C-3	Structural concrete	None	Min. 1.5-inch ISOGARD CG	6-inch o.c.	Min. 0.5-inch ISOGARD HD	6-inch o.c.	BB1-JBSA	-255.0



TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)

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

REFER TO [3.1.5](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (4.1.2)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
C-4	Structural concrete	None	Min. 1.5-inch ISOGARD CG	6-inch o.c.	Min. 0.5-inch ISOGARD HD	6-inch o.c.	BB1-LVOC, BB2-LVOC or BB-WBBA	-337.5
C-5	Structural concrete	None	Min. 0.5-inch ISOGARD HD	4-inch o.c.	None	N/A	BB1-JBSA	-255.0
C-6	Structural concrete	None	Min. 0.5-inch ISOGARD HD	4-inch o.c.	None	N/A	BB1-LVOC, BB2-LVOC or BB-WBBA	-337.5
C-7	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	(Optional) Additional layers of base insulation	I.S.O. Spray R	BB1-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-165.0
C-8	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, 8-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Spray R, 8-inch o.c.	BB1-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-240.0
C-9	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, 4-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Spray R, 4-inch o.c.	BB1-JBSA	-255.0
C-10	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, 4-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Spray R, 4-inch o.c.	BB1-LVOC, BB2-LVOC or BB-WBBA	-285.0
C-11	Structural concrete	None	Min. 1.5-inch ISOGARD CG	I.S.O. Spray R, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Spray R, 6-inch o.c.	BB1-JBSA	-255.0
C-12	Structural concrete	None	Min. 1.5-inch ISOGARD CG	I.S.O. Spray R, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Spray R, 6-inch o.c.	BB1-LVOC, BB2-LVOC or BB-WBBA	-337.5
C-13	Structural concrete	None	Min. 1-inch ISOGARD CG	I.S.O. Spray R	Min. 1-inch ISOGARD CG	I.S.O. Spray R	BB1-JBSA	-255.0
C-14	Structural concrete	None	Min. 1-inch ISOGARD CG	I.S.O. Spray R	Min. 1-inch ISOGARD CG	I.S.O. Spray R	BB1-LVOC, BB2-LVOC or BB-WBBA	-337.5
C-15	Structural concrete	None	Min. 2-inch Styrofoam Brand Roofmate or Highload 60	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-75.0
C-16	Structural concrete	None	Min. 2-inch Styrofoam Brand Roofmate or Highload 60	I.S.O. Spray R	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	BB1-LVOC, BB2-LVOC or BB-WBBA	-75.0
C-17	Structural concrete	None	Min. 2-inch Styrofoam Brand Roofmate or Highload 60	I.S.O. Spray R	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	BB2-JBSA	-75.0
C-18	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	BB2-JBSA	-150.0
C-19	Structural concrete	None	Min. two (2) layers min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	BB2-JBSA	-150.0
C-20	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	BB2-JBSA	-157.5
C-21	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	BB1-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-157.5



TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)

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

REFER TO [3.1.5](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (4.1.2)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
C-22	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	BB1-LVOC, BB2-LVOC or BB-WBBA	-157.5
C-23	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, 8-inch o.c.	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, 8-inch o.c.	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-187.5
C-24	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, 8-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R, 8-inch o.c.	BB1-LVOC, BB2-LVOC or BB-WBBA	-187.5
C-25	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, 4-inch o.c.	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, 4-inch o.c.	BB2-JBSA	-232.5
C-26	Structural concrete	None	Min. two (2) layers min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	BB2-JBSA	-232.5
C-27	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, 4-inch o.c.	Min. 0.25-inch DensDeck Prime	I.S.O. Spray R, 4-inch o.c.	BB2-JBSA	-240.0
C-28	Structural concrete	None	Min. two (2) layers min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime	I.S.O. Spray R	BB2-JBSA	-240.0
C-29	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, 4-inch o.c.	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, 4-inch o.c.	BB1-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-247.5
C-30	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R, 4-inch o.c.	BB1-LVOC, BB2-LVOC or BB-WBBA	-247.5
C-31	Structural concrete	None	Min. two (2) layers min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	BB1-JBSA	-255.0
C-32	Structural concrete	None	Min. two (2) layers min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	BB1-LVOC, BB2-LVOC or BB-WBBA	-262.5
C-33	Structural concrete	None	One or more layers, min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.5-inch ISOGARD HD	I.S.O. Spray R	BB1-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-247.5
C-34	Structural concrete	None	Min. 0.5-inch ISOGARD HD	I.S.O. Spray R	None	N/A	BB1-JBSA	-255.0
C-35	Structural concrete	None	Min. 0.5-inch ISOGARD HD	I.S.O. Spray R	None	N/A	BB1-LVOC, BB2-LVOC or BB-WBBA	-300.0
C-36	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	(Optional) Additional layers of base insulation	I.S.O. Stick	BB1-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-150.0
C-37	Structural concrete	None	Min. 1.5-inch ISOGARD CG	I.S.O. Stick, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Stick, 6-inch o.c.	BB1-JBSA	-255.0



TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)

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

REFER TO [3.1.5](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (4.1.2)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
C-38	Structural concrete	None	Min. 1.5-inch ISOGARD CG	I.S.O. Stick, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Stick, 6-inch o.c.	BB1-LVOC, BB2-LVOC or BB-WBBA	-337.5
C-39	Structural concrete	None	Min. 1-inch ISOGARD CG	I.S.O. Stick	Min. 1-inch ISOGARD CG	I.S.O. Stick	BB1-JBSA	-255.0
C-40	Structural concrete	None	Min. 1-inch ISOGARD CG	I.S.O. Stick	Min. 1-inch ISOGARD CG	I.S.O. Stick	BB1-LVOC, BB2-LVOC or BB-WBBA	-337.5
C-41	Structural concrete	None	Min. 2-inch Styrofoam Brand Roofmate or Highload 60	I.S.O. Stick	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-75.0
C-42	Structural concrete	None	Min. 2-inch Styrofoam Brand Roofmate or Highload 60	I.S.O. Stick	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	BB1-LVOC, BB2-LVOC or BB-WBBA	-75.0
C-43	Structural concrete	None	Min. 2-inch Styrofoam Brand Roofmate or Highload 60	I.S.O. Stick	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	BB2-JBSA	-75.0
C-44	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-150.0
C-45	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	BB1-LVOC, BB2-LVOC or BB-WBBA	-150.0
C-46	Structural concrete	None	One or two layers of min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	BB2-JBSA	-150.0
C-47	Structural concrete	None	Min. two (2) layers min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	BB2-JBSA	-232.5
C-48	Structural concrete	None	Min. two (2) layers min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 0.25-inch DensDeck Prime	I.S.O. Stick	BB2-JBSA	-240.0
C-49	Structural concrete	None	Min. two (2) layers min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	BB1-JBSA	-255.0
C-50	Structural concrete	None	Min. two (2) layers min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	BB1-LVOC, BB2-LVOC or BB-WBBA	-262.5
C-51	Structural concrete	None	One or more layers, min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 0.5-inch ISOGARD HD	I.S.O. Stick	BB1-JBSA	-255.0
C-52	Structural concrete	None	One or more layers, min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 0.5-inch ISOGARD HD	I.S.O. Stick	BB1-LVOC, BB2-LVOC or BB-WBBA	-300.0
C-53	Structural concrete	None	Min. 1.5-inch ISOGARD CG	I.S.O. Stick, 6-inch o.c.	Min. 0.5-inch ISOGARD HD	I.S.O. Stick, 6-inch o.c.	BB1-JBSA	-255.0
C-54	Structural concrete	None	Min. 1.5-inch ISOGARD CG	I.S.O. Stick, 6-inch o.c.	Min. 0.5-inch ISOGARD HD	I.S.O. Stick, 6-inch o.c.	BB1-LVOC, BB2-LVOC or BB-WBBA	-337.5



TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)

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

REFER TO [3.1.5](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (4.1.2)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
C-55	Structural concrete	None	Min. 0.5-inch ISOGARD HD	I.S.O. Stick	None	N/A	BB1-JBSA	-255.0
C-56	Structural concrete	None	Min. 0.5-inch ISOGARD HD	I.S.O. Stick	None	N/A	BB1-LVOC, BB2-LVOC or BB-WBBA	-337.5
C-57	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	(Optional) Additional layers of base insulation	I.S.O. Twin Pack	BB1-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-165.0
C-58	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack, 8-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Twin Pack, 8-inch o.c.	BB1-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-240.0
C-59	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack, 4-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Twin Pack, 4-inch o.c.	BB1-JBSA	-255.0
C-60	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack, 4-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Twin Pack, 4-inch o.c.	BB1-LVOC, BB2-LVOC or BB-WBBA	-285.0
C-61	Structural concrete	None	Min. 1.5-inch ISOGARD CG	I.S.O. Twin Pack, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Twin Pack, 6-inch o.c.	BB1-JBSA	-255.0
C-62	Structural concrete	None	Min. 1.5-inch ISOGARD CG	I.S.O. Twin Pack, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Twin Pack, 6-inch o.c.	BB1-LVOC, BB2-LVOC or BB-WBBA	-337.5
C-63	Structural concrete	None	Min. 1-inch ISOGARD CG	I.S.O. Twin Pack	Min. 1-inch ISOGARD CG	I.S.O. Twin Pack	BB1-JBSA	-255.0
C-64	Structural concrete	None	Min. 1-inch ISOGARD CG	I.S.O. Twin Pack	Min. 1-inch ISOGARD CG	I.S.O. Twin Pack	BB1-LVOC, BB2-LVOC or BB-WBBA	-337.5
C-65	Structural concrete	None	Min. 2-inch Styrofoam Brand Roofmate or Highload 60	I.S.O. Twin Pack	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	BB1-JBSA, BB1-LVOC or BB2-LVOC	-75.0
C-66	Structural concrete	None	Min. 2-inch Styrofoam Brand Roofmate or Highload 60	I.S.O. Twin Pack	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	BB2-JBSA	-75.0
C-67	Structural concrete	None	Min. 2-inch Styrofoam Brand Roofmate or Highload 60	I.S.O. Twin Pack	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	BB1-LVOC or BB2-LVOC	-75.0
C-68	Structural concrete	None	One or two layers of min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	BB2-JBSA	-150.0
C-69	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-157.5
C-70	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	BB1-LVOC, BB2-LVOC or BB-WBBA	-157.5
C-71	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack, 8-inch o.c.	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack, 8-inch o.c.	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-187.5



TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)

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

REFER TO [3.1.5](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (4.1.2)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
C-72	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack, 8-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack, 8-inch o.c.	BB1-LVOC, BB2-LVOC or BB-WBBA	-187.5
C-73	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack, 4-inch o.c.	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack, 4-inch o.c.	BB2-JBSA	-232.5
C-74	Structural concrete	None	Min. two (2) layers min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	BB2-JBSA	-232.5
C-75	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack, 4-inch o.c.	Min. 0.25-inch DensDeck Prime	I.S.O. Twin Pack, 4-inch o.c.	BB2-JBSA	-240.0
C-76	Structural concrete	None	Min. two (2) layers min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 0.25-inch DensDeck Prime	I.S.O. Twin Pack	BB2-JBSA	-240.0
C-77	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack, 4-inch o.c.	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack, 4-inch o.c.	BB1-JBSA	-255.0
C-78	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack, 4-inch o.c.	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack, 4-inch o.c.	BB1-LVOC, BB2-LVOC or BB-WBBA	-247.5
C-79	Structural concrete	None	Min. two (2) layers min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	BB1-JBSA	-255.0
C-80	Structural concrete	None	Min. two (2) layers min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	BB1-LVOC, BB2-LVOC or BB-WBBA	-262.5
C-81	Structural concrete	None	One or more layers, min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	BB1-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-247.5
C-82	Structural concrete	None	Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	None	N/A	BB1-JBSA	-255.0
C-83	Structural concrete	None	Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	None	N/A	BB1-LVOC, BB2-LVOC or BB-WBBA	-300.0
C-84	Structural concrete	None	(Optional) Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet or Twin Jet Y, 4-inch o.c.	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	Twin Jet or Twin Jet Y, 4-inch o.c.	BB1-JBSA, BB2-JBSA, BB1-LVOC or BB2-LVOC	-67.5
C-85	Structural concrete	None	(Optional) Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet or Twin Jet Y, 4-inch o.c.	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	Twin Jet or Twin Jet Y, 4-inch o.c.	BB-WBBA	-97.5
C-86	Structural concrete	None	Min. 0.5-inch ISOGARD GL or ISOGARD CG	Twin Jet	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Twin Jet	BB2-JBSA	-232.5
C-87	Structural concrete	None	Min. 0.5-inch ISOGARD GL or ISOGARD CG	Twin Jet	Min. 0.25-inch DensDeck Prime	Twin Jet	BB2-JBSA	-240.0



TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)

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

REFER TO [3.1.5](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (4.1.2)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
C-88	Structural concrete	None	Min. 0.5-inch ISOGARD GL or ISOGARD CG	Twin Jet	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 1-inch ISOGARD GL or ISOGARD CG or min. 1.5-inch ISOGARD HD Composite	Twin Jet	BB1-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-240.0
C-89	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet or Twin Jet Y, 4-inch o.c.	(Optional) Additional layer(s) base insulation	Twin Jet or Twin Jet Y, 4-inch o.c.	BB1-JBSA	-255.0
C-90	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet or Twin Jet Y, 4-inch o.c.	(Optional) Additional layer(s) base insulation	Twin Jet or Twin Jet Y, 4-inch o.c.	BB1-LVOC, BB2-LVOC or BB-WBBA	-337.5
ELEVATE PVC KEE APPLICATIONS:								
C-91	Structural concrete	None	Min. 1.5-inch ISOGARD CG	6-inch o.c.	(Optional) Additional layers of base insulation	6-inch o.c.	BB1-LVOC	-337.5
C-92	Structural concrete	None	Min. 1.5-inch ISOGARD CG	6-inch o.c.	Min. 0.5-inch ISOGARD HD	6-inch o.c.	BB1-LVOC	-337.5
C-93	Structural concrete	None	Min. 0.5-inch ISOGARD HD	4-inch o.c.	None	N/A	BB1-LVOC	-337.5
C-94	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	(Optional) Additional layers of base insulation	I.S.O. Spray R	BB1-LVOC	-165.0
C-95	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, 8-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Spray R, 8-inch o.c.	BB1-LVOC	-240.0
C-96	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, 4-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Spray R, 4-inch o.c.	BB1-LVOC	-285.0
C-97	Structural concrete	None	Min. 1.5-inch ISOGARD CG	I.S.O. Spray R, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Spray R, 6-inch o.c.	BB1-LVOC	-337.5
C-98	Structural concrete	None	Min. 1-inch ISOGARD CG	I.S.O. Spray R	Min. 1-inch ISOGARD CG	I.S.O. Spray R	BB1-LVOC	-337.5
C-99	Structural concrete	None	Min. 2-inch Styrofoam Brand Roofmate or Highload 60	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	BB1-LVOC	-75.0
C-100	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.25-inch DensDeck, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	BB1-LVOC	-157.5
C-101	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, 8-inch o.c.	Min. 0.25-inch Dens Deck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R, 8-inch o.c.	BB1-LVOC	-187.5



TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)

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

REFER TO [3.1.5](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (4.1.2)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
C-102	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, 4-inch o.c.	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R, 4-inch o.c.	BB1-LVOC	-247.5
C-103	Structural concrete	None	Min. two (2) layers min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	BB1-LVOC	-262.5
C-104	Structural concrete	None	One or more layers, min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.5-inch ISOGARD HD	I.S.O. Spray R	BB1-LVOC	-247.5
C-105	Structural concrete	None	Min. 0.5-inch ISOGARD HD	I.S.O. Spray R	None	N/A	BB1-LVOC	-300.0
C-106	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	I.S.O. Spray R, 4-inch o.c.	BB1-LVOC	-165.0
C-107	Structural concrete	None	(Optional) Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, 8-inch o.c.	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	I.S.O. Spray R, 4-inch o.c.	BB1-LVOC	-195.0
C-108	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	(Optional) Additional layers of base insulation	I.S.O. Stick	BB1-LVOC	-150.0
C-109	Structural concrete	None	Min. 1.5-inch ISOGARD CG	I.S.O. Stick, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Stick, 6-inch o.c.	BB1-LVOC	-337.5
C-110	Structural concrete	None	Min. 1-inch ISOGARD CG	I.S.O. Stick	Min. 1-inch ISOGARD CG	I.S.O. Stick	BB1-LVOC	-337.5
C-111	Structural concrete	None	Min. 2-inch Styrofoam Brand Roofmate or Highload 60	I.S.O. Stick	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	BB1-LVOC	-75.0
C-112	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	BB1-LVOC	-150.0
C-113	Structural concrete	None	Min. two (2) layers min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	BB1-LVOC	-262.5
C-114	Structural concrete	None	One or more layers, min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 0.5-inch ISOGARD HD	I.S.O. Stick	BB1-LVOC	-300.0
C-115	Structural concrete	None	Min. 1.5-inch ISOGARD CG	I.S.O. Stick, 6-inch o.c.	Min. 0.5-inch ISOGARD HD	I.S.O. Stick, 6-inch o.c.	BB1-LVOC	-337.5



TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)

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

REFER TO [3.1.5](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (4.1.2)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
C-116	Structural concrete	None	Min. 0.5-inch ISOGARD HD	I.S.O. Stick	None	N/A	BB1-LVOC	-337.5
C-117	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	(Optional) Additional layers of base insulation	I.S.O. Twin Pack	BB1-LVOC	-165.0
C-118	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack, 8-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Twin Pack, 8-inch o.c.	BB1-LVOC	-240.0
C-119	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack, 4-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Twin Pack, 4-inch o.c.	BB1-LVOC	-285.0
C-120	Structural concrete	None	Min. 1.5-inch ISOGARD CG	I.S.O. Twin Pack, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. Twin Pack, 6-inch o.c.	BB1-LVOC	-337.5
C-121	Structural concrete	None	Min. 1-inch ISOGARD CG	I.S.O. Twin Pack	Min. 1-inch ISOGARD CG	I.S.O. Twin Pack	BB1-LVOC	-337.5
C-122	Structural concrete	None	Min. 2-inch Styrofoam Brand Roofmate or Highload 60	I.S.O. Twin Pack	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECURROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	BB1-LVOC	-75.0
C-123	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 0.25-inch DensDeck, DEXcell FA Glass Mat Roof Board or SECURROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	BB1-LVOC	-157.5
C-124	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack, 8-inch o.c.	Min. 0.25-inch Dens Deck Prime, DEXcell FA Glass Mat Roof Board or SECURROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack, 8-inch o.c.	BB1-LVOC	-187.5
C-125	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack, 4-inch o.c.	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECURROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack, 4-inch o.c.	BB1-LVOC	-247.5
C-126	Structural concrete	None	Min. two (2) layers min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECURROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	BB1-LVOC	-262.5
C-127	Structural concrete	None	One or more layers, min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	BB1-LVOC	-247.5
C-128	Structural concrete	None	Min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	None	N/A	BB1-LVOC	-300.0
C-129	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	I.S.O. Twin Pack, 4-inch o.c.	BB1-LVOC	-165.0



TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)

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

REFER TO [3.1.5](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (4.1.2)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
C-130	Structural concrete	None	(Optional) Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack, 8-inch o.c.	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	I.S.O. Twin Pack, 4-inch o.c.	BB1-LVOC	-195.0
C-131	Structural concrete	None	(Optional) Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet or Twin Jet Y, 4-inch o.c.	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	Twin Jet or Twin Jet Y, 4-inch o.c.	BB1-LVOC	-67.5
C-132	Structural concrete	None	Min. 0.5-inch ISOGARD GL or ISOGARD CG	Twin Jet	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 1-inch ISOGARD GL or ISOGARD CG or min. 1.5-inch ISOGARD HD Composite	Twin Jet	BB1-LVOC	-240.0
C-133	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	Twin Jet or Twin Jet Y, 4-inch o.c.	(Optional) Additional layer(s) base insulation	Twin Jet or Twin Jet Y, 4-inch o.c.	BB1-LVOC	-337.5
ELEVATE PVC XR, MAX PVC XR, MAX 080 PVC XR OR PVC KEE XR APPLICATIONS (FULL BOND):								
C-134	Structural concrete	ASTM D41	(Optional) Min. 1.5-inch ISOGARD GL	Hot Asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-300.0
C-135	Structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	I.S.O. Spray R	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-172.5
C-136	Structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DEXcell FA Glass Mat Roof Board	I.S.O. Spray R	XR2-WBBA	-180.0
C-137	Structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	XR2-WBBA	-300.0
C-138	Structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	XR2-ISOSR or XR2-XRSMA in ribbons 4-inch o.c.	-300.0



TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)

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

REFER TO [3.1.5](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (4.1.2)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
C-139	Structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA	-300.0
C-140	Structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch ISOGARD HD	I.S.O. Spray R	XR1-WBBA or XR2-WBBA	-337.5
C-141	Structural concrete	None	(Optional) Min. 1.5-inch ISOGARD GL	I.S.O. Spray R, 4-inch o.c.	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	I.S.O. Spray R, 4-inch o.c.	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER)	-382.5
C-142	Structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch ISOGARD HD	I.S.O. Spray R	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER)	-390.0
C-143	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, 4-inch o.c.	(Optional) Additional layer(s) base insulation	I.S.O. Spray R, 4-inch o.c.	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER)	-495.0
C-144	Structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	I.S.O. Stick	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-172.5
C-145	Structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DEXcell FA Glass Mat Roof Board	I.S.O. Stick	XR2-WBBA	-180.0
C-146	Structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	XR2-WBBA	-187.5



TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)

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

REFER TO [3.1.5](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (4.1.2)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
C-147	Structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	XR2-ISOSR or XR2-XRSMA in ribbons 4-inch o.c.	-187.5
C-148	Structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA	-187.5
C-149	Structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch ISOGARD HD	I.S.O. Stick	XR1-WBBA or XR2-WBBA	-337.5
C-150	Structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch ISOGARD HD	I.S.O. Stick	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER)	-390.0
C-151	Structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-172.5
C-152	Structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DEXcell FA Glass Mat Roof Board	I.S.O. Twin Pack	XR2-WBBA	-180.0



TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)

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

REFER TO [3.1.5](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (4.1.2)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
C-153	Structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	XR2-WBBA	-300.0
C-154	Structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	XR2-ISOSR or XR2-XRSMA in ribbons 4-inch o.c.	-300.0
C-155	Structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA	-300.0
C-156	Structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	XR1-WBBA or XR2-WBBA	-337.5
C-157	Structural concrete	None	(Optional) Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack, 4-inch o.c.	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	I.S.O. Twin Pack, 4-inch o.c.	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER)	-382.5
C-158	Structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER)	-390.0
C-159	Structural concrete	None	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack, 4-inch o.c.	(Optional) Additional layer(s) base insulation	I.S.O. Twin Pack, 4-inch o.c.	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER)	-495.0



TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)

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

REFER TO [3.1.5](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (4.1.2)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
C-160	Structural concrete	None	Min. 0.5-inch ISOGARD GL or ISOGARD CG	Twin Jet	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 1-inch ISOGARD GL or ISOGARD CG or min. 1.5-inch ISOGARD HD Composite	Twin Jet	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-240.0
ELEVATE PVC XR, MAX PVC XR, MAX 080 PVC XR OR PVC KEE XR APPLICATIONS (PARTIAL BOND):								
C-161	Structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD or min. 7/16-inch APA or TECO rated OSB	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 12-inch o.c.	-45.0
C-162	Structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD or min. 7/16-inch APA or TECO rated OSB	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR1-ISOSR or XR2-XRSMA in ribbons 12-inch o.c.	-45.0
C-163	Structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR1-XRSMA (RIBBONS, 12" o.c.)	-45.0
C-164	Structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 6-inch o.c.	-60.0
C-165	Structural concrete	None	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR2-ISOSR or XR2-XRSMA in ribbons 6-inch o.c.	-60.0



TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)

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

REFER TO [3.1.5](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (4.1.2)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
C-166	Structural concrete	None	Min. 1-inch ISOgard GL or ISOgard CG	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOgard GL or ISOgard CG followed by 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR1-XRSMA (RIBBONS, 6" o.c.)	-60.0
C-167	Structural concrete	None	Min. 1-inch ISOgard GL or ISOgard CG	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOgard GL or ISOgard CG followed by min. 0.5-inch ISOgard HD	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.	-82.5
C-168	Structural concrete	None	Min. 1-inch ISOgard GL or ISOgard CG	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOgard GL or ISOgard CG	I.S.O. Spray R, I.S.O. Stick or I.S.O. Twin Pack	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.	-142.5

TABLE 3B: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER

SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, INDUCTION WELDED ROOF COVER

System No.	Deck (4.1.2)	Insulation Layer (4.2.3)	Attachment		Roof Cover (3.1.4)	MDP (psf)
			Fastener (4.2.3)	Density		
C-169	Structural concrete	One or more layers, any combination, preliminarily attached	Elevate Heavy Duty Fastener or Elevate Concrete Drive and Elevate PVC InvisiWeld Plate	Max. 18-inch o.c. in rows max. 60-inch o.c.	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-30.0 (NO HVHZ)
C-170	Structural concrete	One or more layers, any combination	Elevate Heavy Duty Fastener or Elevate Concrete Drive and Elevate PVC InvisiWeld Plate	1 per 6.0 ft ² 2 x 3-ft grid	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-45.0*
C-171	Structural concrete	One or more layers, any combination	Elevate Heavy Duty Fastener or Elevate Concrete Drive and Elevate PVC InvisiWeld Plate	1 per 5.3 ft ² (6 parts per 4x8 ft board) Per FM LPDS 1-29	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-45.0*
C-172	Structural concrete	One or more layers, any combination, preliminarily attached	Elevate Heavy Duty Fastener or Elevate Concrete Drive and Elevate PVC InvisiWeld Plate	Max. 12-inch o.c. in rows max. 60-inch o.c.	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-45.0
C-173	Structural concrete	One or more layers, any combination	Elevate Heavy Duty Fastener or Elevate Concrete Drive and Elevate PVC InvisiWeld Plate	1 per 4.0 ft ² (8 parts per 4x8 ft board) Per FM LPDS 1-29	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-60.0
C-174	Structural concrete	One or more layers, any combination	Elevate Heavy Duty Fastener or Elevate Concrete Drive with alternating rows of: 1.) Elevate PVC InvisiWeld Plate 2.) Elevate Insulation Fastening Plate	1 per 2.0 ft ² (16 parts per 4x8 ft board) in a 12 x 24-inch grid	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-67.5
C-175	Structural concrete	One or more layers, any combination	Elevate Heavy Duty Fastener or Elevate Concrete Drive and Elevate PVC InvisiWeld Plate	1 per 2.7 ft ² (12 parts per 4x8 ft board) Per FM LPDS 1-29	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-75.0



**TABLE 3B: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, INDUCTION WELDED ROOF COVER**

System No.	Deck (4.1.2)	Insulation Layer (4.2.3)	Attachment		Roof Cover (3.1.4)	MDP (psf)
			Fastener (4.2.3)	Density		
C-176	Structural concrete	One or more layers, any combination	Elevate Heavy Duty Fastener or Elevate Concrete Drive and Elevate PVC InvisiWeld Plate	1 per 4.0 ft ² 2 x 2-ft grid	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-75.0
C-177	Structural concrete	One or more layers, any combination, preliminarily attached	Elevate Heavy Duty Fastener or Elevate Concrete Drive and Elevate PVC InvisiWeld Plate	Max. 6-inch o.c. in rows max. 60-inch o.c.	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-82.5
C-178	Structural concrete	One or more layers, any combination	Elevate Heavy Duty Fastener or Elevate Concrete Drive and Elevate PVC InvisiWeld Plate	1 per 2.0 ft ² (16 parts per 4x8 ft board) Per FM LPDS 1-29	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-105.0

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

System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Base Insulation Layer		Coverboard		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
CELCORE (FL2037):								
ELEVATE PVC, MAX PVC OR MAX 080 PVC APPLICATIONS:								
LWC-1	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	BB2-JBSA	-150.0
LWC-2	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	(Optional) Additional layers base insulation	I.S.O. Spray R	BB1-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-165.0
LWC-3	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-210.0
LWC-4	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	BB1-LVOC, BB2-LVOC or BB-WBBA	-210.0
LWC-5	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	BB2-JBSA	-150.0
LWC-6	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	(Optional) Additional layers base insulation	I.S.O. Stick	BB1-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-165.0
LWC-7	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	I.S.O. Stick	BB1-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-187.5



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

System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Base Insulation Layer		Coverboard		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
LWC-8	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	I.S.O. Stick	Min. 2-inch ISOGARD HD Composite	I.S.O. Stick	BB1-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-187.5
LWC-9	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime or SECURock Gypsum-Fiber Roof Board, min. 0.5-inch ISOGARD HD or min. 7/16-inch APA or TECO rated OSB	I.S.O. Stick	BB1-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-187.5
LWC-10	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime or SECURock Gypsum-Fiber Roof Board	I.S.O. Stick	BB2-JBSA	-187.5
LWC-11	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	BB1-LVOC, BB2-LVOC or BB-WBBA	-187.5
LWC-12	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL	I.S.O. Stick	Min. 0.25-inch DensDeck Prime or SECURock Gypsum-Fiber Roof Board	I.S.O. Stick	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-210.0
LWC-13	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL	I.S.O. Stick	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	BB1-LVOC, BB2-LVOC or BB-WBBA	-210.0
LWC-14	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL	I.S.O. Twin Pack	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	BB2-JBSA	-150.0
LWC-15	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	BB2-JBSA	-150.0



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

System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Base Insulation Layer		Coverboard		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
LWC-16	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	(Optional) Additional layers base insulation	I.S.O. Twin Pack	BB1-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-165.0
LWC-17	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-210.0
LWC-18	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	BB1-LVOC, BB2-LVOC or BB-WBBA	-210.0
LWC-19	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	I.S.O. Twin Pack	BB1-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-217.5
LWC-20	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	I.S.O. Twin Pack	Min. 2-inch ISOGARD HD Composite	I.S.O. Twin Pack	BB1-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-217.5
LWC-21	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch ISOGARD HD or min. 7/16-inch APA or TECO rated OSB	I.S.O. Twin Pack	BB1-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-217.5
LWC-22	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	BB2-JBSA	-217.5
LWC-23	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	BB1-LVOC, BB2-LVOC or BB-WBBA	-217.5



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

System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Base Insulation Layer		Coverboard		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
ELEVATE PVC XR , MAX PVC XR OR MAX 080 PVC XR APPLICATIONS (FULL BOND):								
LWC-24	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	(Optional) Additional layers base insulation	I.S.O. Spray R	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-165.0
LWC-25	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	I.S.O. Spray R	XR2-WBBA	-150.0
LWC-26	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	XR2-WBBA	-210.0
LWC-27	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	XR2-ISOSR or XR2-XRSMA in ribbons 4-inch o.c.	-210.0
LWC-28	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA	-210.0
LWC-29	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	(Optional) Additional layers base insulation	I.S.O. Stick	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-165.0
LWC-30	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board	I.S.O. Stick	XR2-WBBA	-180.0
LWC-31	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	I.S.O. Stick	XR2-WBBA	-180.0
LWC-32	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	I.S.O. Stick	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-187.5



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

System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Base Insulation Layer		Coverboard		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
LWC-33	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	I.S.O. Stick	Min. 2-inch ISOGARD HD Composite	I.S.O. Stick	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-187.5
LWC-34	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch ISOGARD HD or min. 7/16-inch DEXcell Cement Roof Board or APA or TECO rated OSB	I.S.O. Stick	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-187.5
LWC-35	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	XR2-ISOSR or XR2-XRSMA in ribbons 4-inch o.c.	-187.50
LWC-36	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	XR2-WBBA	-210.0
LWC-37	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA	-210.0
LWC-38	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	XR2-ISOSR or XR2-XRSMA in ribbons 4-inch o.c.	-210.0
LWC-39	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	(Optional) Additional layers base insulation	I.S.O. Twin Pack	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-165.0



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

System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Base Insulation Layer		Coverboard		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
LWC-40	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	I.S.O. Twin Pack	XR2-WBBA	-180.0
LWC-41	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board	I.S.O. Twin Pack	XR2-WBBA	-180.0
LWC-42	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	XR2-WBBA	-210.0
LWC-43	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	XR1-ISOSR or XR2-XRSMA in ribbons 4-inch o.c.	-210.0
LWC-44	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA	-210.0
LWC-45	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	I.S.O. Twin Pack	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-217.5
LWC-46	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered ISOGARD GL or Tapered ISOGARD CG	I.S.O. Twin Pack	Min. 2-inch ISOGARD HD Composite	I.S.O. Twin Pack	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-217.5
LWC-47	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch ISOGARD HD or min. 7/16-inch DEXcell Cement Roof Board or APA or TECO rated OSB	I.S.O. Twin Pack	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-217.5



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

System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Base Insulation Layer		Coverboard		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
LWC-48	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD or min. 7/16-inch APA or TECO rated OSB	I.S.O. Twin Pack	XR2-ISOSR or XR2-XRSMA in ribbons 4-inch o.c.	-217.5
ELEVATE PVC XR, MAX PVC XR OR MAX 080 PVC XR APPLICATIONS (PARTIAL BOND):								
LWC-49	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD or min. 7/16-inch APA or TECO rated OSB	I.S.O. Spray R	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 12-inch o.c.	-45.0
LWC-50	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD or min. 7/16-inch APA or TECO rated OSB	I.S.O. Spray R	XR2-ISOSR or XR2-XRSMA in ribbons 12-inch o.c.	-45.0
LWC-51	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	XR1-XRSMA (RIBBONS, 12" o.c.)	-45.0



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

System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Base Insulation Layer		Coverboard		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
LWC-52	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 6-inch o.c.	-60.0
LWC-53	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	XR2-ISOSR or XR2-XRSMA in ribbons 6-inch o.c.	-60.0
LWC-54	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	XR1-XRSMA (RIBBONS, 6" o.c.)	-60.0
LWC-55	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch ISOGARD HD	I.S.O. Spray R	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.	-82.5
LWC-56	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	I.S.O. Spray R	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.	-142.5
LWC-57	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD or min. 7/16-inch APA or TECO rated OSB	I.S.O. Stick	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 12-inch o.c.	-45.0



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

System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Base Insulation Layer		Coverboard		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
LWC-58	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD or min. 7/16-inch APA or TECO rated OSB	I.S.O. Stick	XR2-ISOSR or XR2-XRSMA in ribbons 12-inch o.c.	-45.0
LWC-59	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	XR1-XRSMA (RIBBONS, 12" o.c.)	-45.0
LWC-60	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD or min. 7/16-inch APA or TECO rated OSB	I.S.O. Stick	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 12-inch o.c.	-45.0
LWC-61	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD or min. 7/16-inch APA or TECO rated OSB	I.S.O. Stick	XR2-ISOSR or XR2-XRSMA in ribbons 12-inch o.c.	-45.0
LWC-62	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	XR1-XRSMA (RIBBONS, 12" o.c.)	-45.0



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

System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Base Insulation Layer		Coverboard		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
LWC-63	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch ISOgard GL or ISOgard CG	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOgard GL or ISOgard CG followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 6-inch o.c.	-60.0
LWC-64	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch ISOgard GL or ISOgard CG	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOgard GL or ISOgard CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	XR2-ISOSR or XR2-XRSMA in ribbons 6-inch o.c.	-60.0
LWC-65	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch ISOgard GL or ISOgard CG	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOgard GL or ISOgard CG followed by 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	XR1-XRSMA (RIBBONS, 6" o.c.)	-60.0
LWC-66	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOgard GL or ISOgard CG	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOgard GL or ISOgard CG followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 6-inch o.c.	-60.0
LWC-67	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOgard GL or ISOgard CG	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOgard GL or ISOgard CG followed by Min. 0.25-inch DensDeck Primed or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	XR2-ISOSR or XR2-XRSMA in ribbons 6-inch o.c.	-60.0



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

System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Base Insulation Layer		Coverboard		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
LWC-68	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	XR1-XRSMA (RIBBONS, 6" o.c.)	-60.0
LWC-69	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch ISOGARD HD	I.S.O. Stick	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.	-82.5
LWC-70	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch ISOGARD HD	I.S.O. Stick	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.	-82.5
LWC-71	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	I.S.O. Stick	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.	-142.5
LWC-72	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	I.S.O. Stick	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.	-142.5
LWC-73	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD or min. 7/16-inch APA or TECO rated OSB	I.S.O. Twin Pack	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 12-inch o.c.	-45.0



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

System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Base Insulation Layer		Coverboard		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
LWC-74	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD or min. 7/16-inch APA or TECO rated OSB	I.S.O. Twin Pack	XR2-ISOSR or XR2-XRSMA in ribbons 12-inch o.c.	-45.0
LWC-75	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	XR1-XRSMA (RIBBONS, 12" o.c.)	-45.0
LWC-76	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD or min. 7/16-inch APA or TECO rated OSB	I.S.O. Twin Pack	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 12-inch o.c.	-45.0
LWC-77	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD or min. 7/16-inch APA or TECO rated OSB	I.S.O. Twin Pack	XR2-ISOSR or XR2-XRSMA in ribbons 12-inch o.c.	-45.0
LWC-78	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	XR1-XRSMA (RIBBONS, 12" o.c.)	-45.0



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

System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Base Insulation Layer		Coverboard		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
LWC-79	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 6-inch o.c.	-60.0
LWC-80	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	XR2-ISOSR or XR2-XRSMA in ribbons 6-inch o.c.	-60.0
LWC-81	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	XR1-XRSMA (RIBBONS, 6" o.c.)	-60.0
LWC-82	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 6-inch o.c.	-60.0
LWC-83	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	XR2-ISOSR or XR2-XRSMA in ribbons 6-inch o.c.	-60.0



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

System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Base Insulation Layer		Coverboard		Roof Cover (3.1.4)	MDP (psf)
			Type	Attach (3.1.3)	Type	Attach (3.1.3)		
LWC-84	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	XR1-XRSMA (RIBBONS, 6" o.c.)	-60.0
LWC-85	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.	-82.5
LWC-86	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Optional additional layers of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG followed by min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.	-82.5
LWC-87	Structural concrete	Min. 350 psi Celcore Cellular Concrete	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.	-142.5
LWC-88	Structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.	-142.5

TABLE 4B: LIGHTWEIGHT CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION(S), BONDED ROOF COVER

System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Base Insulation			Top Insulation		Roof Cover (3.1.4)		MDP (psf)
			Type	Fasten (4.2.3)	Attach	Type	Attach (3.1.3)	Base Ply	Cap Ply	
ELEVATE PVC XR, MAX PVC XR OR MAX 080 PVC XR OR PVC KEE XR APPLICATIONS:										
LWC-89	Min. 22 ga., type BV, Grade 40 steel	Min. 400 psi, min. 2-inch thick pre-existent cellular lightweight concrete, with optional 1-inch thick, 1.0 pcf EPS holey board	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.78 ft²	Optional min. 1.5-inch ISOGARD GL or ISOGARD CG followed by min. 0.5-inch DensDeck Prime	Twin Jet, I.S.O. Spray R, I.S.O. Twin Pack or Hot Asphalt	(Optional) SBS-AA or SBS-TA	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 12-inch o.c. or XR-TJ (SPATTER)	-52.5



TABLE 4b: LIGHTWEIGHT CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION(S), BONDED ROOF COVER

System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Base Insulation			Top Insulation		Roof Cover (3.1.4)		MDP (psf)
			Type	Fasten (4.2.3)	Attach	Type	Attach (3.1.3)	Base Ply	Cap Ply	
NOTE: To qualify the LWIC under this assembly, an Elevate Two Piece Impact Nail (1.8”) shall achieve an average withdrawal of 187 lbf when tested per 4.2.3 .										
LWC-90	Min. 22 ga., type BV, Grade 40 steel	Min. 400 psi, min. 2-inch thick pre-existent cellular lightweight concrete, with optional 1-inch thick, 1.0 pcf EPS holey board	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.78 ft²	Optional min. 1.5-inch ISOGARD GL or ISOGARD CG followed by min. 0.5-inch DensDeck Prime	Twin Jet, I.S.O. Spray R, I.S.O. Twin Pack or Hot Asphalt	None	XR2-ISOSR or XR2-XRSMa in ribbons 12-inch o.c.	-52.5
	NOTE:	To qualify the LWIC under this assembly, an Elevate Two Piece Impact Nail (1.8”) shall achieve an average withdrawal of 187 lbf when tested per 4.2.3 .								
ELEVATE PVC KEE XRT APPLICATIONS:										
LWC-91	Min. 22 ga., type BV, Grade 40 steel	Min. 400 psi, min. 2-inch thick pre-existent cellular lightweight concrete, with optional 1-inch thick, 1.0 pcf EPS holey board	Min. 1.5-inch ISOGARD GL or ISOGARD CG	3.1.1	1 per 1.78 ft²	Optional min. 1.5-inch ISOGARD GL or ISOGARD CG followed by min. 0.5-inch DensDeck Prime	Twin Jet, I.S.O. Spray R, I.S.O. Twin Pack or Hot Asphalt	(Optional) SBS-AA or SBS-TA	XR-HA	-52.5
	NOTE:	To qualify the LWIC under this assembly, an Elevate Two Piece Impact Nail (1.8”) shall achieve an average withdrawal of 187 lbf when tested per 4.2.3 .								

TABLE 4c: LIGHTWEIGHT CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (3.1.4)		MDP (psf)
			Type	Fasten (4.2.3)	Attach	Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base Ply	Cap Ply	
ELEVATE PVC XR, MAX PVC XR OR MAX 080 PVC XR OR PVC KEE XR APPLICATIONS:												
LWC-92	Min. 22 ga., type BV, Grade 40 steel	Min. 390 psi, min. 2-inch thick pre-existent cellular lightweight concrete, with optional 1-inch thick, 1.0 pcf EPS holey board	SBS Base or MB Base	Two Piece Impact Nail	9-inch o.c. in the min. 3-inch lap and 9-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISOGARD GL	Twin Jet, Twin Jet Y, I.S.O. Spray R, I.S.O. Twin Pack or Hot Asphalt	Min. 0.5-inch DensDeck Prime	Twin Jet, I.S.O. Spray R, I.S.O. Twin Pack or Hot Asphalt	(Optional) SBS-AA or SBS-TA	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 12-inch o.c. or XR-TJ (SPATTER)	-52.5
NOTE: To qualify the LWIC under this assembly, an Elevate Two Piece Impact Nail (1.8”) shall achieve an average withdrawal of 80 lbf when tested per 4.2.3 .												
LWC-93	Min. 22 ga., type BV, Grade 40 steel	Min. 390 psi, min. 2-inch thick pre-existent cellular lightweight concrete, with optional 1-inch thick, 1.0 pcf EPS holey board	SBS Base or MB Base	Two Piece Impact Nail	9-inch o.c. in the min. 3-inch lap and 9-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISOGARD GL	Twin Jet, Twin Jet Y, I.S.O. Spray R, I.S.O. Twin Pack or Hot Asphalt	Min. 0.5-inch DensDeck Prime	Twin Jet, I.S.O. Spray R, I.S.O. Twin Pack or Hot Asphalt	None	XR2-ISOSR or XR2-XRSMA in ribbons 12-inch o.c.	-52.5
NOTE: To qualify the LWIC under this assembly, an Elevate Two Piece Impact Nail (1.8”) shall achieve an average withdrawal of 80 lbf when tested per 4.2.3 .												



TABLE 4c: LIGHTWEIGHT CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (3.1.4)		MDP (psf)
			Type	Fasten (4.2.3)	Attach	Type	Attach (3.1.3)	Type	Attach (3.1.3)	Base Ply	Cap Ply	
ELEVATE PVC KEE XRT APPLICATIONS:												
LWC-94	Min. 22 ga., type BV, Grade 40 steel	Min. 390 psi, min. 2-inch thick pre-existent cellular lightweight concrete, with optional 1-inch thick, 1.0 pcf EPS hole board	SBS Base or MB Base	Two Piece Impact Nail	9-inch o.c. in the min. 3-inch lap and 9-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISOGARD GL	Twin Jet, Twin Jet Y, I.S.O. Spray R, I.S.O. Twin Pack or Hot Asphalt	Min. 0.5-inch DensDeck Prime	Twin Jet, I.S.O. Spray R, I.S.O. Twin Pack or Hot Asphalt	(Optional) SBS-AA or SBS-TA	XR-HA	-52.5
	NOTE:	To qualify the LWIC under this assembly, an Elevate Two Piece Impact Nail (1.8") shall achieve an average withdrawal of 80 lbf when tested per 4.2.3 .										

TABLE 4d: LIGHTWEIGHT CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Base Sheet			Roof Cover (3.1.4)		MDP (psf)
			Type	Fastener (4.2.3)	Attach	Base Ply	Cap Ply	
CELCORE (FL2037):								
LWC-95	Min. 22 ga., type BV, Grade 40 steel or 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-AA or SBS-TA	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 12-inch o.c. or XR-TJ (SPATTER)	-45.0

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

System No.	Deck (4.1.2)	Lightweight Concrete (3.1.2)	Roof Cover (3.1.4)	MDP (psf)
CELCORE (FL2037):				
LWC-96	Min. 22 ga, type BV, Grade 40 steel	Min. 350 psi, min. 2" thick Celcore Cellular Concrete	XR-TJ (SPATTER)	-52.5
LWC-97	Structural concrete.	Min. 350 psi, min. 2" thick Celcore Cellular Concrete	XR-TJ (SPATTER)	-386.0



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

System No.	Deck (4.1.2 and 4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
ELEVATE PVC, MAX PVC OR MAX 080 PVC APPLICATIONS:							
CWF-1.	Existing Tectum I	Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	(Optional) Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	BB-WBBA	-67.5
CWF-2.	Existing Tectum I	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	None	N/A	BB1-JBSA, BB1-LVOC or BB2-LVOC	-75.0
CWF-3.	Existing Tectum I	Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	BB1-JBSA, BB1-LVOC or BB2-LVOC	-82.5
CWF-4.	Existing Tectum	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0
CWF-5.	Existing Tectum	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	BB2-JBSA	-45.0
CWF-6.	Existing Tectum	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0
CWF-7.	Existing Tectum I	Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	(Optional) Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	BB-WBBA	-67.5
CWF-8.	Existing Tectum I	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	None	N/A	BB1-JBSA, BB1-LVOC or BB2-LVOC	-75.0
CWF-9.	Existing Tectum I	Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	BB1-JBSA, BB1-LVOC or BB2-LVOC	-82.5
ELEVATE PVC XR, MAX PVC XR OR MAX 080 PVC XR APPLICATIONS (FULL BOND):							
CWF-10.	Existing Tectum I	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	None	N/A	XR1-WBBA or XR2-WBBA	-67.5
CWF-11.	Existing Tectum I	Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	XR1-WBBA or XR2-WBBA	-67.5
CWF-12.	Existing Tectum I	Min. 1-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	None	N/A	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER)	-75.0



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

System No.	Deck (4.1.2 and 4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
CWF-13.	Existing Tectum I	Min. 0.5-inch ISOgard GL or ISOgard CG	I.S.O. Spray R	Min. 0.5-inch ISOgard GL or ISOgard CG	I.S.O. Spray R	XR1-ISOSR, XR2-ISOSR, XR-TJ, or XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER)	-82.5
CWF-14.	Existing Tectum	Min. 1.5-inch ISOgard GL or ISOgard CG	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECURock Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA	-45.0
CWF-15.	Existing Tectum	Min. 1.5-inch ISOgard GL or ISOgard CG	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECURock Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	XR2-WBBA	-45.0
CWF-16.	Existing Tectum	Min. 1.5-inch ISOgard GL or ISOgard CG	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECURock Gypsum-Fiber Roof Board	I.S.O. Stick	XR2-ISOSR or XR2-XRSMA in ribbons 4-inch o.c.	-45.0
CWF-17.	Existing Tectum I	Min. 1-inch ISOgard GL or ISOgard CG	I.S.O. Twin Pack	None	N/A	XR1-WBBA or XR2-WBBA	-67.5
CWF-18.	Existing Tectum I	Min. 0.5-inch ISOgard GL or ISOgard CG	I.S.O. Twin Pack	Min. 0.5-inch ISOgard GL or ISOgard CG	I.S.O. Twin Pack	XR1-WBBA or XR2-WBBA	-67.5
CWF-19.	Existing Tectum I	Min. 1-inch ISOgard GL or ISOgard CG	I.S.O. Twin Pack	None	N/A	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER)	-75.0
CWF-20.	Existing Tectum I	Min. 0.5-inch ISOgard GL or ISOgard CG	I.S.O. Twin Pack	Min. 0.5-inch ISOgard GL or ISOgard CG	I.S.O. Twin Pack	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER)	-82.5
ELEVATE PVC XR, MAX PVC XR OR MAX 080 PVC XR APPLICATIONS (PARTIAL BOND):							
CWF-21.	Existing Tectum I	Min. 1-inch ISOgard GL or ISOgard CG	I.S.O. Spray R	None	N/A	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.	-75.0
CWF-22.	Existing Tectum I	Min. 0.5-inch ISOgard GL or ISOgard CG	I.S.O. Spray R	Min. 0.5-inch ISOgard GL or ISOgard CG	I.S.O. Spray R	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.	-82.5
CWF-23.	Existing Tectum I	Min. 1-inch ISOgard GL or ISOgard CG	I.S.O. Twin Pack	None	N/A	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.	-75.0
CWF-24.	Existing Tectum I	Min. 0.5-inch ISOgard GL or ISOgard CG	I.S.O. Twin Pack	Min. 0.5-inch ISOgard GL or ISOgard CG	I.S.O. Twin Pack	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.	-82.5



TABLE 5B: CEMENTITIOUS WOOD FIBER DECKS - REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (3.1.4)	MDP (psf)
		Type	Fasten (4.2.3)	Attach	Type	Attach (3.1.3)	Type	Attach (3.1.3)		
CWF-25.	Existing Tectum	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Impact Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISOGLARD GL or ISOGLARD CG	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board	I.S.O. Stick	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
CWF-26.	Existing Tectum	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Impact Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISOGLARD GL or ISOGLARD CG	I.S.O. Stick	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
CWF-27.	Existing Tectum	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Impact Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISOGLARD GL or ISOGLARD CG	I.S.O. Stick	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	BB2-JBSA	-45.0*
CWF-28.	Existing Tectum	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Impact Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISOGLARD GL or ISOGLARD CG	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECURROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA	-45.0*
CWF-29.	Existing Tectum	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Impact Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISOGLARD GL or ISOGLARD CG	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECURROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	XR2-WBBA	-45.0*
CWF-30.	Existing Tectum	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Impact Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISOGLARD GL or ISOGLARD CG	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board	I.S.O. Stick	XR2-ISOSR or XR2-XRSMA in ribbons 4-inch o.c.	-45.0*
CWF-31.	Existing Tectum	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Impact Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISOGLARD GL or ISOGLARD CG	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECURROCK Gypsum-Fiber Roof Board	I.S.O. Stick	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 12-inch o.c.	-45.0*
CWF-32.	Existing Tectum	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Impact Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISOGLARD GL or ISOGLARD CG	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board	I.S.O. Stick	XR2-ISOSR or XR2-XRSMA in ribbons 12-inch o.c.	-45.0*
CWF-33.	Existing Tectum	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Impact Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISOGLARD GL or ISOGLARD CG	I.S.O. Stick	7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	XR1-XRSMA (RIBBONS, 12" o.c.)	-45.0*



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

System No.	Deck (4.1.2 and 4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
ELEVATE PVC, MAX PVC OR MAX 080 PVC APPLICATIONS:							
G-1.	Existing poured gypsum or gypsum plank	Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R or I.S.O. Twin Pack	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD	I.S.O. Spray R or I.S.O. Twin Pack	BB1-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-150.0
G-2.	Existing poured gypsum or gypsum plank	Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R or I.S.O. Twin Pack	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R or I.S.O. Twin Pack	BB1-LVOC, BB2-LVOC or BB-WBBA	-150.0
G-3.	Existing poured gypsum or gypsum plank	Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R or I.S.O. Twin Pack	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R or I.S.O. Twin Pack	BB2-JBSA	-150.0
G-4.	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISOGARD GL	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	BB1-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-112.5
G-5.	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	BB1-LVOC, BB2-LVOC or BB-WBBA	-112.5
G-6.	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	BB2-JBSA	-112.5
ELEVATE PVC XR, MAX PVC XR OR MAX 080 PVC XR APPLICATIONS (FULL BOND):							
G-7.	Existing poured gypsum or gypsum plank	Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R or I.S.O. Twin Pack	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch ISOGARD HD or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R or I.S.O. Twin Pack	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA	-150.0
G-8.	Existing poured gypsum or gypsum plank	Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R or I.S.O. Twin Pack	(Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R or I.S.O. Twin Pack	XR2-WBBA	-150.0
G-9.	Existing poured gypsum or gypsum plank	Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R or I.S.O. Twin Pack	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch ISOGARD HD	I.S.O. Spray R or I.S.O. Twin Pack	XR2-ISOSR or XR2-XRSMA in ribbons 4-inch o.c.	-150.0
G-10.	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA	-112.5
G-11.	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	XR2-WBBA	-112.5
G-12.	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	XR2-ISOSR or XR2-XRSMA in ribbons 4-inch o.c.	-112.5



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

System No.	Deck (4.1.2 and 4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
ELEVATE PVC XR, MAX PVC XR OR MAX 080 PVC XR APPLICATIONS (PARTIAL BOND):							
G-13.	Existing poured gypsum or gypsum plank	Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	(Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD	I.S.O. Spray R	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 12-inch o.c.	-45.0
G-14.	Existing poured gypsum or gypsum plank	Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD	I.S.O. Spray R	XR2-ISOSR or XR2-XRSMA in ribbons 12-inch o.c.	-45.0
G-15.	Existing poured gypsum or gypsum plank	Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	XR1-XRSMA (RIBBONS, 12” o.c.)	-45.0
G-16.	Existing poured gypsum or gypsum plank	Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 6-inch o.c.	-60.0
G-17.	Existing poured gypsum or gypsum plank	Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	XR2-ISOSR or XR2-XRSMA in ribbons 6-inch o.c.	-60.0
G-18.	Existing poured gypsum or gypsum plank	Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	XR1-XRSMA (RIBBONS, 6” o.c.)	-60.0
G-19.	Existing poured gypsum or gypsum plank	Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.5-inch ISOGARD HD	I.S.O. Spray R	XR1-ISOSR, XR2-ISOSR, XR-TJ, or XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.	-82.5
G-20.	Existing poured gypsum or gypsum plank	Min. 0.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Spray R	(Optional) Additional layer of base insulation	I.S.O. Spray R	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.	-142.5
G-21.	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 12-inch o.c.	-45.0
G-22.	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	XR2-ISOSR or XR2-XRSMA in ribbons 12-inch o.c.	-45.0
G-23.	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	XR1-XRSMA (RIBBONS, 12” o.c.)	-45.0
G-24.	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 6-inch o.c.	-60.0
G-25.	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISOGARD GL	I.S.O. Stick	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	XR2-ISOSR or XR2-XRSMA in ribbons 6-inch o.c.	-60.0



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

System No.	Deck (4.1.2 and 4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf)
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
G-26.	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISOgard GL or ISOgard CG	I.S.O. Stick	7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	XR1-XRSMA (RIBBONS, 6" o.c.)	-60.0
G-27.	Existing poured gypsum or gypsum plank	Min. 1.5-inch ISOgard GL or ISOgard CG	I.S.O. Stick	(Optional) Additional layer of base insulation	I.S.O. Stick	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.	-112.5
G-28.	Existing poured gypsum or gypsum plank	Min. 0.5-inch ISOgard GL or ISOgard CG	I.S.O. Twin Pack	(Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOgard HD	I.S.O. Twin Pack	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 12-inch o.c.	-45.0
G-29.	Existing poured gypsum or gypsum plank	Min. 0.5-inch ISOgard GL or ISOgard CG	I.S.O. Twin Pack	(Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOgard HD	I.S.O. Twin Pack	XR2-ISOSR or XR2-XRSMA in ribbons 12-inch o.c.	-45.0
G-30.	Existing poured gypsum or gypsum plank	Min. 0.5-inch ISOgard GL or ISOgard CG	I.S.O. Twin Pack	7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	XR1-XRSMA (RIBBONS, 12" o.c.)	-45.0
G-31.	Existing poured gypsum or gypsum plank	Min. 0.5-inch ISOgard GL or ISOgard CG	I.S.O. Twin Pack	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 6-inch o.c.	-60.0
G-32.	Existing poured gypsum or gypsum plank	Min. 0.5-inch ISOgard GL or ISOgard CG	I.S.O. Twin Pack	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	XR2-ISOSR or XR2-XRSMA in ribbons 6-inch o.c.	-60.0
G-33.	Existing poured gypsum or gypsum plank	Min. 0.5-inch ISOgard GL or ISOgard CG	I.S.O. Twin Pack	7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	XR1-XRSMA (RIBBONS, 6" o.c.)	-60.0
G-34.	Existing poured gypsum or gypsum plank	Min. 0.5-inch ISOgard GL or ISOgard CG	I.S.O. Twin Pack	Min. 0.5-inch ISOgard HD	I.S.O. Twin Pack	XR1-ISOSR, XR2-ISOSR, XR-TJ, or XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.	-82.5
G-35.	Existing poured gypsum or gypsum plank	Min. 0.5-inch ISOgard GL or ISOgard CG	I.S.O. Twin Pack	(Optional) Additional layer of base insulation	I.S.O. Twin Pack	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.	-142.5

TABLE 6B: GYPSUM DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (3.1.4)	MDP (psf)
		Type	Fasten (4.2.3)	Attach	Type	Attach (3.1.3)	Type	Attach (3.1.3)		
G-36.	Existing gypsum deck	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Impact Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISOgard GL or ISOgard CG	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	BB1-JBSA, BB2-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*



TABLE 6B: GYPSUM DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (4.1.2)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (3.1.4)	MDP (psf)
		Type	Fasten (4.2.3)	Attach	Type	Attach (3.1.3)	Type	Attach (3.1.3)		
G-37.	Existing gypsum deck	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Impact Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	BB1-LVOC, BB2-LVOC or BB-WBBA	-45.0*
G-38.	Existing gypsum deck	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Impact Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	BB2-JBSA	-45.0*
G-39.	Existing gypsum deck	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Impact Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA	-45.0*
G-40.	Existing gypsum deck	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Impact Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	XR2-WBBA	-45.0*
G-41.	Existing gypsum deck	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Impact Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	XR2-ISOSR or XR2-XRSMA in ribbons 4-inch o.c.	-45.0*
G-42.	Existing gypsum deck	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Impact Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 12-inch o.c.	-45.0*
G-43.	Existing gypsum deck	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Impact Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	XR2-ISOSR or XR2-XRSMA in ribbons 12-inch o.c.	-45.0*
G-44.	Existing gypsum deck	SBS Base, SBS Premium Base, MB Base or APP 160	Two Piece Impact Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch ISOGARD GL or ISOGARD CG	I.S.O. Stick	7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	XR1-XRSMA (RIBBONS, 12" o.c.)	-45.0*



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

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.3). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2 and 4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf) ^A
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
ELEVATE PVC, MAX PVC OR MAX 080 PVC APPLICATIONS:							
R-1	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	BB2-JBSA	-150.0
R-2	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	One or more layers, min. 1.5-in ISOGARD GL or ISOGARD CG	I.S.O. Spray R	(Optional) Additional layers of base insulation	I.S.O. Spray R	BB1-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-157.5
R-3	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	BB2-JBSA	-232.5
R-4	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime	I.S.O. Spray R	BB2-JBSA	-237.5
R-5	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch ISOGARD HD	I.S.O. Spray R	BB1-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-237.5
R-6	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	BB1-LVOC, BB2-LVOC or BB-WBBA	-237.5
R-7	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	BB2-JBSA	-150.0
R-8	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	One or more layers, min. 1.5-in ISOGARD GL or ISOGARD CG	I.S.O. Stick	(Optional) Additional layers of base insulation	I.S.O. Stick	BB1-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-157.5
R-9	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Stick	BB2-JBSA	-232.5
R-10	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 0.25-inch DensDeck Prime	I.S.O. Stick	BB2-JBSA	-237.5



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

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.3). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2 and 4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf) ^A
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
R-11	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD	I.S.O. Stick	BB1-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-237.5
R-12	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	BB1-LVOC, BB2-LVOC or BB-WBBA	-237.5
R-13	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	BB2-JBSA	-150.0
R-14	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	One or more layers, min. 1.5-in ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	(Optional) Additional layers of base insulation	I.S.O. Twin Pack	BB1-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-195.0
R-15	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. Twin Pack	BB2-JBSA	-232.5
R-16	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 0.25-inch DensDeck Prime	I.S.O. Twin Pack	BB2-JBSA	-237.5
R-17	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	BB1-JBSA, BB1-LVOC, BB2-LVOC or BB-WBBA	-237.5
R-18	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	BB1-LVOC, BB2-LVOC or BB-WBBA	-237.5
ELEVATE PVC KEE APPLICATIONS:							
R-19	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	One or more layers, min. 1.5-in ISOGARD GL or ISOGARD CG	I.S.O. Spray R	(Optional) Additional layers of base insulation	I.S.O. Spray R	BB1-LVOC	-157.5



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^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 4.2.3). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2 and 4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf) ^A
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
R-20	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch ISOGARD HD or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	BB1-LVOC	-237.5
R-21	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	One or more layers, min. 1.5-in ISOGARD GL or ISOGARD CG	I.S.O. Stick	(Optional) Additional layers of base insulation	I.S.O. Stick	BB1-LVOC	-157.5
R-22	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch ISOGARD HD or 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	BB1-LVOC	-237.5
R-23	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	One or more layers, min. 1.5-in ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	(Optional) Additional layers of base insulation	I.S.O. Twin Pack	BB1-LVOC	-195.0
R-24	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch ISOGARD HD or 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	BB1-LVOC	-237.5
ELEVATE PVC XR, MAX PVC XR OR MAX 080 PVC XR OR PVC KEE XR APPLICATIONS (FULL BOND):							
R-25	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	One or more layers, min. 1.5-in ISOGARD GL or ISOGARD CG	I.S.O. Spray R	(Optional) Additional layers of base insulation	I.S.O. Spray R	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-157.5
R-26	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	I.S.O. Spray R	XR2-WBBA	-180.0



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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 4.2.3). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2 and 4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf) ^A
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
R-27	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	XR2-WBBA	-237.5
R-28	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch ISOGARD HD	I.S.O. Spray R	XR2-ISOSR or XR2-XRSMA in ribbons 4-inch o.c. or XR2-WBBA	-237.5
R-29	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch ISOGARD HD or 7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA	-237.5
R-30	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	One or more layers, min. 1.5-in ISOGARD GL or ISOGARD CG	I.S.O. Stick	(Optional) Additional layers of base insulation	I.S.O. Stick	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-157.5
R-31	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	I.S.O. Stick	XR2-WBBA	-180.0
R-32	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	XR2-WBBA	-237.5
R-33	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch ISOGARD HD	I.S.O. Stick	XR2-ISOSR or XR2-XRSMA in ribbons 4-inch o.c. or XR2-WBBA	-237.5



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

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.3). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2 and 4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf) ^A
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
R-34	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Stick	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch ISOGARD HD or 7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA	-237.5
R-35	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	I.S.O. Twin Pack	XR2-WBBA	-180.0
R-36	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	One or more layers, min. 1.5-in ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	(Optional) Additional layers of base insulation	I.S.O. Twin Pack	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA or XR2-WBBA	-195.0
R-37	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch ISOGARD HD or 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 4-inch o.c. or XR-TJ (SPATTER) or XR1-WBBA	-237.5
R-38	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch ISOGARD HD or 7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	XR2-WBBA	-237.5
R-39	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Twin Pack	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch ISOGARD HD	I.S.O. Twin Pack	XR2-ISOSR or XR2-XRSMA in ribbons 4-inch o.c.	-237.5
ELEVATE PVC XR, MAX PVC XR, MAX 080 PVC XR OR PVC KEE XR APPLICATIONS (PARTIAL BOND):							
R-40	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	One or more layers, min. 1.5-in ISOGARD GL or ISOGARD CG	I.S.O. Spray R	(Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD	I.S.O. Spray R	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 12-inch o.c.	-45.0



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

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.3). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2 and 4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf) ^A
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
R-41	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	One or more layers, min. 1.5-in ISOGARD GL or ISOGARD CG	I.S.O. Spray R	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD	I.S.O. Spray R	XR2-ISOSR or XR2-XRSMA in ribbons 12-inch o.c.	-45.0
R-42	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	One or more layers, min. 1.5-in Insulfoam I	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD	I.S.O. Spray R	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 12-inch o.c.	-45.0
R-43	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	One or more layers, min. 1.5-in Insulfoam I	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch ISOGARD HD	I.S.O. Spray R	XR2-ISOSR or XR2-XRSMA in ribbons 12-inch o.c.	-45.0
R-44	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Spray R	7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	XR1-XRSMA (RIBBONS, 12" o.c.)	-45.0
R-45	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 6-inch o.c.	-60.0
R-46	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R	XR2-ISOSR or XR2-XRSMA in ribbons 6-inch o.c.	-60.0
R-47	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOGARD GL or ISOGARD CG	I.S.O. Spray R	7/16-inch DEXcell Cement Roof Board	I.S.O. Spray R	XR1-XRSMA (RIBBONS, 6" o.c.)	-60.0
R-48	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	One or more layers, min. 1.5-in Insulfoam I	I.S.O. Spray R	Min. 0.5-inch ISOGARD HD	I.S.O. Spray R	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.	-82.5
R-49	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in ISOGARD GL or ISOGARD CG	I.S.O. Spray R	Min. 0.5-inch ISOGARD HD	I.S.O. Spray R	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.	-82.5
R-50	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	One or more layers, min. 1.5-in ISOGARD GL or ISOGARD CG	I.S.O. Spray R	(Optional) Additional layers of base insulation	I.S.O. Spray R	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.	-142.5



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

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.3). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2 and 4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf) ^A
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
R-51	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	One or more layers, min. 1.5-in ISOgard GL or ISOgard CG	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECURock Gypsum-Fiber Roof Board or min. 0.5-inch ISOgard HD	I.S.O. Stick	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 12-inch o.c.	-45.0
R-52	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	One or more layers, min. 1.5-in ISOgard GL or ISOgard CG	I.S.O. Stick	(Optional) Min. 0.25-inch DensDeck Prime or SECURock Gypsum-Fiber Roof Board or min. 0.5-inch ISOgard HD	I.S.O. Stick	XR2-ISOSR or XR2-XRSMA in ribbons 12-inch o.c.	-45.0
R-53	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	One or more layers, min. 1.5-in Insulfoam I	I.S.O. Stick	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECURock Gypsum-Fiber Roof Board or min. 0.5-inch ISOgard HD	I.S.O. Stick	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 12-inch o.c.	-45.0
R-54	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	One or more layers, min. 1.5-in Insulfoam I	I.S.O. Stick	Min. 0.25-inch DensDeck Prime or SECURock Gypsum-Fiber Roof Board or min. 0.5-inch ISOgard HD	I.S.O. Stick	XR2-ISOSR or XR2-XRSMA in ribbons 12-inch o.c.	-45.0
R-55	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	One or more layers, min. 1.5-in Insulfoam I, ISOgard GL or ISOgard CG	I.S.O. Stick	7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	XR1-XRSMA (RIBBONS, 12" o.c.)	-45.0
R-56	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOgard GL or ISOgard CG	I.S.O. Stick	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECURock Gypsum-Fiber Roof Board	I.S.O. Stick	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 6-inch o.c.	-60.0
R-57	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOgard GL or ISOgard CG	I.S.O. Stick	Min. 0.25-inch DensDeck Prime or SECURock Gypsum-Fiber Roof Board	I.S.O. Stick	XR2-ISOSR or XR2-XRSMA in ribbons 6-inch o.c.	-60.0
R-58	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOgard GL or ISOgard CG	I.S.O. Stick	7/16-inch DEXcell Cement Roof Board	I.S.O. Stick	XR1-XRSMA (RIBBONS, 6" o.c.)	-60.0
R-59	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOgard GL or ISOgard CG	I.S.O. Stick	Min. 0.5-inch ISOgard HD	I.S.O. Stick	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.	-82.5
R-60	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	One or more layers, min. 1.5-in ISOgard GL or ISOgard CG	I.S.O. Stick	(Optional) Additional layers of base insulation	I.S.O. Stick	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.	-142.5



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

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.3). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2 and 4.2.3)	Base Insulation Layer		Top Insulation Layer		Roof Cover (3.1.4)	MDP (psf) ^A
		Type	Attach (3.1.3)	Type	Attach (3.1.3)		
R-61	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	One or more layers, min. 1.5-in ISOgard GL or ISOgard CG	I.S.O. Twin Pack	(Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECURock Gypsum-Fiber Roof Board or min. 0.5-inch ISOgard HD	I.S.O. Twin Pack	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 12-inch o.c.	-45.0
R-62	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	One or more layers, min. 1.5-in ISOgard GL or ISOgard CG	I.S.O. Twin Pack	(Optional) Min. 0.25-inch DensDeck Prime or SECURock Gypsum-Fiber Roof Board or min. 0.5-inch ISOgard HD	I.S.O. Twin Pack	XR2-ISOSR or XR2-XRSMA in ribbons 12-inch o.c.	-45.0
R-63	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	One or more layers, min. 1.5-in Insulfoam I	I.S.O. Twin Pack	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECURock Gypsum-Fiber Roof Board or min. 0.5-inch ISOgard HD	I.S.O. Twin Pack	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 12-inch o.c.	-45.0
R-64	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	One or more layers, min. 1.5-in Insulfoam I	I.S.O. Twin Pack	Min. 0.25-inch DensDeck Prime or SECURock Gypsum-Fiber Roof Board or min. 0.5-inch ISOgard HD	I.S.O. Twin Pack	XR2-ISOSR or XR2-XRSMA in ribbons 12-inch o.c.	-45.0
R-65	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	One or more layers, min. 1.5-in Insulfoam I, ISOgard GL or ISOgard CG	I.S.O. Twin Pack	7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	XR1-XRSMA (RIBBONS, 12" o.c.)	-45.0
R-66	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOgard GL or ISOgard CG	I.S.O. Twin Pack	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECURock Gypsum-Fiber Roof Board	I.S.O. Twin Pack	XR1-ISOSR, XR-TJ or XR1-XRSMA in ribbons 6-inch o.c.	-60.0
R-67	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOgard GL or ISOgard CG	I.S.O. Twin Pack	Min. 0.25-inch DensDeck Prime or SECURock Gypsum-Fiber Roof Board	I.S.O. Twin Pack	XR2-ISOSR or XR2-XRSMA in ribbons 6-inch o.c.	-60.0
R-68	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOgard GL or ISOgard CG	I.S.O. Twin Pack	7/16-inch DEXcell Cement Roof Board	I.S.O. Twin Pack	XR1-XRSMA (RIBBONS, 6" o.c.)	-60.0
R-69	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	(Optional) One or more layers, min. 1.5-in Insulfoam I, ISOgard GL or ISOgard CG	I.S.O. Twin Pack	Min. 0.5-inch ISOgard HD	I.S.O. Twin Pack	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.	-82.5
R-70	Existing smooth-surface built-up roof (BUR), gravel-surface built-up roof (BUR) with loose gravel removed or granule-surface SBS modified bitumen	One or more layers, min. 1.5-in ISOgard GL or ISOgard CG	I.S.O. Twin Pack	(Optional) Additional layers of base insulation	I.S.O. Twin Pack	XR1-ISOSR, XR2-ISOSR, XR-TJ, XR1-XRSMA or XR2-XRSMA in ribbons 6-inch o.c.	-142.5



TABLE 7B: STEEL - RECOVER

SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, INDUCTION WELDED ROOF COVER

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

System No.	Substrate (4.1.2)	Insulation Layer (3.1.2)	Attachment		Roof Cover (3.1.4)	MDP (psf)
			Fastener (4.2.3)	Spacing		
R-71	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 60-inch o.c.	One or more layers, any combination, preliminarily fastened	Elevate Purlin Fastener and Elevate PVC InvisiWeld Plate are fastened through to purlins	18-inch o.c. along purlins	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-30.0 (NO HVHZ)
R-72	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 60-inch o.c.	One or more layers, any combination, preliminarily fastened	Elevate Purlin Fastener and Elevate PVC InvisiWeld Plate are fastened through to purlins	12-inch o.c. along purlins	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-45.0
R-73	Existing standing seam or lap seam metal roof covers having min. ¼-inch thick steel purlins spaced max. 120-inch o.c.	One or more layers, any combination, preliminarily fastened	Elevate Purlin Fastener and Elevate PVC InvisiWeld Plate are fastened through to purlins	6-inch o.c. along purlins	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-52.5
R-74	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 60-inch o.c.	One or more layers, any combination, preliminarily fastened	Elevate Purlin Fastener and Elevate PVC InvisiWeld Plate are fastened through to purlins	6-inch o.c. along purlins	Elevate PVC, Max PVC, Max 080 PVC or PVC KEE induction welded using RhinoBond Installation Tool	-82.5

TABLE 7c: RECOVER APPLICATIONS

SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER

^A The reported MDP documents the allowable maximum design pressure of the new roof cover when installed atop the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.3). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (4.1.2 and 4.2.3)	Roof Cover (3.1.4)	MDP (psf) ^A
R-75	Existing smooth-surface built-up roof (BUR) or granule-surface SBS modified bitumen	XR1-XR5MA (RIBBONS, 6" o.c.)	-60.0