



NEMO EVALUATIONS REPORT

Report No.: NER-AMZ-002.B
Revision 0: 2026-02-18
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Amrize Building Envelope LLC (GenFlex)

FL48090

Nemo|cert.

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NEMO EVALUATION REPORT (NER)



Amrize Building Envelope LLC (GenFlex)

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

SUBJECT: GenFlex Modified Bitumen Roof Systems

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

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

FBC JURISDICTION: Non-HVHZ and HVHZ

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

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

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

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

COMPLIANCE STATEMENT: **GenFlex Modified Bitumen Roof Systems**, as produced by **Amrize Building Envelope LLC (GenFlex)**, 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/or labeling in accordance with the requirements of [NEMO|cert.](#)

CONTINUED COMPLIANCE: This NER is valid until such time the named product(s) change, the referenced Quality Assurance changes, or the evaluated Code provisions change. NEMO Evaluations requires, at minimum, a complete review of this NER with each 3-year Code Cycle.

BUILDING PERMIT REQUIREMENTS: As required by the Building Official or Authority Having Jurisdiction to evaluate the installation of this product.

ADVERTISEMENT: "NEMO Evaluated" may be displayed in advertising literature. If any portion of the NER is displayed, it shall be displayed in its entirety.

CERTIFICATION OF INDEPENDENCE:

- ✓ NEMO CERT, LLC does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products it evaluates.
- ✓ NEMO CERT, LLC is not owned, operated, or controlled by any company manufacturing or distributing products it evaluates.
- ✓ This is a building code evaluation. NEMO CERT, LLC is not, in any way, the Designer of Record for any project on which this NER, or previous versions thereof, is/was used for permitting or design guidance.

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[LINK TO TOP OF ATTACHMENT REQUIREMENTS](#)



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1. CODES, PROPERTIES AND STANDARDS:

CODE	SECTION	PROPERTY	STANDARD
2015 International Building Code	1504.3.1	Wind resistance	FM 4474 or UL1897
	1504.6	Physical Properties	ASTM G155
	1504.7	Impact resistance	FM 4470
	1505.1	Fire Classification	UL 790
	1507.10.2	Material standard	ASTM D4601
	1507.11.2	Material standard	ASTM D6163, D6164, D6222
2018 International Building Code	1504.3.1	Wind resistance	FM 4474 or UL1897
	1504.6	Physical Properties	ASTM G155
	1504.7	Impact resistance	FM 4470
	1505.1	Fire Classification	UL 790
	1507.10.2	Material standard	ASTM D4601
	1507.11.2	Material standard	ASTM D6163, D6164, D6222
2021 International Building Code	1504.4.1	Wind resistance	FM 4474 or UL1897
	1504.7	Physical Properties	ASTM G155
	1504.8	Impact resistance	FM 4470
	1505.1	Fire Classification	UL 790
	1507.10.2	Material standard	ASTM D4601
	1507.11.2	Material standard	ASTM D6163, D6164, D6222
2023 Florida Building Code, 8 th Edition	1504.3.1	Wind resistance	FM 4474 or UL1897
	1504.6	Physical Properties	ASTM G155
	1504.7	Impact resistance	FM 4470
	1505.1, 1516.1	Fire Classification	UL 790
	1507.10.2, TAS 110	Material standard	ASTM D4601
	1507.11.2, TAS 110	Material standard	ASTM D6163, D6164, D6222
	TAS 110	Resistance to Foot Traffic	TAS 114, Section 8.9
	TAS 110	Wind resistance	TAS 114, Appendix C, D or J
	TAS 110	Susceptibility to Hail Damage	TAS 114, Appendix F
	TAS 110	Susceptibility to Leakage	TAS 114, Appendix G
2022 California Building Code	Div. 5, Section 98.0501	Evaluation Reports	
	1504.4.1	Wind resistance	FM 4474 or UL1897
	1504.7	Physical Properties	ASTM G155
	1504.8	Impact resistance	FM 4470
	1505.1	Fire Classification	UL 790
	1507.10.2, 1507.11.2.1	Material standard	ASTM D4601
	1507.11.2	Material standard	ASTM D6163, D6164, D6222

2. PRODUCTS:

TABLE 1A: EVALUATED GENFLEX COMPONENTS (NEMO Certified. Consult Directory of Certified Products for production location(s))				
TYPE	GENFLEX PRODUCT	MATERIAL STANDARD		
		REFERENCE	TYPE	GRADE
BASE SHEETS:	BASEGARD SA	ASTM D4601	II	N/A
APP, SMOOTH-SURFACE MEMBRANES:	APP 160	ASTM D6222	I	S
APP, GRANULE-SURFACE MEMBRANES:	APP 180	ASTM D6222	I	G
	APP 180 COOL	ASTM D6222	I	G
SBS, SMOOTH-SURFACE MEMBRANES:	SBS Base	ASTM D6163	I	S
	Poly Torch Base	ASTM D6164	I	S
SBS, GRANULE-SURFACE MEMBRANES:	SBS Premium FR	ASTM D6164	I	G
	SBS Premium FR Torch	ASTM D6164	I	G



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TABLE 1B: EVALUATED GENFLEX ACCESSORIES (Contact contact@nemocert.com for production location(s) of non-Certified products)		
TYPE	PRODUCT	MATERIAL STANDARD
APP, SMOOTH-SURFACE MEMBRANES:	APP 160 COOL	ASTM D6222
SBS, SMOOTH-SURFACE MEMBRANES:	SBS Glass Torch Base	ASTM D6163
	SBS Glass Torch Base 1.5	ASTM D6163
	SBS Smooth	ASTM D6164
SBS, GRANULE-SURFACE MEMBRANES:	SBS Cap	ASTM D6164
	SBS FR Cap	ASTM D6164
	SBS FR Torch	ASTM D6164

TABLE 2: COMPONENTS BY OTHERS (4.1.4) (Refer to NOA if listed version was superseded to ensure use of latest version)				
TYPE	GENFLEX PRODUCT	ACCEPTABLE ALTERNATE	FBC	NOA
MECHANICAL FASTENERS:	GenFast #15	Elevate Heavy-Duty Fastener or GenFast #15 SPM	FL984	23-0613.24
	GenFlex Heavy-Duty Plus	Elevate Heavy-Duty Plus	FL984	23-0613.24
	GenFast AP Fastener	Elevate All-Purpose Fastener (AB)	FL984	23-0613.24
	GenFast Concrete Drive	Elevate Concrete Drive Fastener	FL984	23-0613.24
	GenFast 3" Round Insulation Plate	Elevate Insulation Fastening Plate	FL984	23-0613.24
	GenFast Coiled Bar Anchor	Elevate Coiled Metal Batten Strip	FL984	23-0613.24
	GenFlex Batten Strip	Elevate Batten Strip	FL984	23-0613.24
	Polymer Fastener	Elevate Polymer Fastener	FL984	23-0613.24
	Polymer Fastener Insulation Plate	Elevate Polymer Fastener Insulation Plate	FL984	23-0613.24
	Two Piece Impact Nail	Elevate Two Piece Impact Nail	FL984	23-0613.24
	1.7 in. Assembled LWC Base Ply Fastener	Elevate 1.7 in. Assembled LWC Base Ply Fastener	FL984	23-0613.24
	N/A	Elevate MB 2" Barbed Metal Lap Plate	FL984	23-0613.24
	N/A	Trufast Versa-Fast Fasteners	FL4500	24-0521.02
N/A	Trufast Versa-Fast Metal Plate	FL4500	24-0521.02	
ADHESIVES:	GenFlex One Step Insulation Adhesive	I.S.O. Twin Pack Insulation Adhesive	FL1800	25-0417.03
	N/A	I.S.O. Spray R	FL984	25-0505.05
	Quick Dual Y	Elevate Twin Jet Y	FL984	25-0505.05
	Quick Dual	Elevate Twin Jet	FL984	25-0505.05
ADHESIVES:	GenFlex ISO Bond Insulation Adhesive	I.S.O. Stick	FL1608	24-0422.18
	N/A	Elevate LiquiGard Membrane Adhesive	N/A	N/A
	N/A	Elevate Multi-Purpose MB Cold Adhesive	FL984	25-0505.05
INSULATIONS:	GenFlex ISO Insulation	ISO 95+ GL	FL984	23-0613.13
	GenFlex GL ISO Insulation	ISOGARD GL	FL984	23-0613.13
	GenFlex Coated Glass Facer	RESISTA	FL984	23-0613.13
	GenFlex CG ISO Insulation	ISOGARD CG	FL984	23-0613.13
	GenFlex HD ISO	ISOGARD HD	FL984	23-0613.13
	GenFlex HD Composite ISO	ISOGARD HD Composite	FL984	N/A
	GenFlex HailGard	Elevate HailGard	FL984	N/A
	GenFlex ISO HG	ISOGARD HG	FL984	N/A
	N/A	DensDeck	FL1250	22-1223.04
	N/A	DensDeck Prime	FL1250	22-1223.04
	N/A	DensDeck StormX Prime Roof Board	N/A	N/A
	N/A	DEXcell FA Glass Mat Roof Board	FL17840	25-0722.11
N/A	SECUROCK Cement Roof Board	FL4264	21-0923.05	
N/A	SECUROCK Gypsum-Fiber Roof Board	FL4264	21-0923.05	



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TABLE 2: COMPONENTS BY OTHERS (4.1.4)				
(Refer to NOA if listed version was superseded to ensure use of latest version)				
TYPE	GENFLEX PRODUCT	ACCEPTABLE ALTERNATE	FBC	NOA
ROLL GOODS	N/A	Channel Venting Base	FL984	N/A
	N/A	Venting Base Sheet	FL984	N/A
	MB Base	MB Base	FL984	25-0109.03
	GenFlex Type IV	Ply IV	FL984	N/A
	GenFlex Type VI	Ply VI	FL984	N/A
VAPOR BARRIER:	Vapor Shield Membrane	V-Force	FL984	N/A
	N/A	V-Force FR	FL984	N/A
PRIMER:	GenFlex SA Primer	Elevate SA Primer	FL984	25-0505.05
	SA-Solvent Based (SB) Primer	V-Force SB Primer	FL984	N/A

3. INSTALLATION:

3.1 **GenFlex Modified Bitumen Roof Systems** shall be installed in accordance with **Amrize Building Envelope LLC (GenFlex)** published installation instructions, subject to the [Limitations of Use](#) noted herein.

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

TABLE 3: FASTENER REFERENCES		
ROOF DECK	PARTS	FASTENER ENGAGEMENT
WOOD, ENGINEERED SHEATHING OR PLANK	GenFast AP Fastener or GenFast #15 with GenFast 3" Round Insulation Plate	Min. 0.75-inch penetration (engineered sheathing) or min. 1-inch embedment (plank)
STEEL	GenFast AP Fastener or GenFast #15 with GenFast 3" Round Insulation Plate	Min. 0.75-inch penetration
STRUCTURAL CONCRETE	GenFast #15 or GenFast Concrete Drive Fastener with GenFast 3" Round Insulation Plate	Non-HVHZ: Min. 1-inch embedment HVHZ: Min. 1.25-inch embedment

3.1.2 Insulation:

- (a) Unless otherwise noted, insulation may be any one layer or combination of Approved board(s) that meet IBC, CBC, or FBC 1505, FBC R902 or FBC HVHZ 1516 and, for foam plastic, IBC, CBC, or FBC Chapter 26, when installed with the roof cover.
- (b) For Structural Concrete Deck or Recover Applications using System Type C-1 the base insulation layer is optional, and using System Type C-2, D-1 or D-2, the insulation is optional. Alternatively, an Approved insulation board or coverboard may be used as a separation layer. Board products shall be preliminarily attached prior to roof cover installation. The separator component shall be documented as meeting IBC, CBC, or FBC 1505, FBC R902 or FBC HVHZ 1516 and, for foam plastic, IBC, CBC, or FBC Chapter 26, when installed with the roof cover in Recover applications.
- (c) Minimum 200 psi, minimum 2-inch thick Approved lightweight insulating concrete may be substituted for, or installed below, rigid insulation board for System Types B-1, C-1, C-2, D-1 or D-2, whereby fasteners are installed through the lightweight insulating concrete to engage the structural deck. The structural deck shall be of equal or greater type, thickness and strength to the steel and structural concrete deck listings. Roof decks and structural members shall be in accordance with applicable Code requirements to the satisfaction of the Authority Having Jurisdiction. This is a wind uplift resistance allowance and does not purport to address non-wind-uplift-related issues, such as deck venting or moisture levels within the LWIC and the potential effect on overlying components.
- (d) **Florida Specific:** Lightweight insulating concrete (LWIC) shall be cast in accordance with FBC 1917 to the satisfaction of the Authority Having Jurisdiction. For systems where specific LWIC is referenced, refer to current LWIC [Florida Product Approval](#) or [NOA](#) for specific deck construction and limitations. Unless otherwise noted, for systems where specific LWIC is not referenced, the minimum design mix shall be 300 psi. In all cases, the minimum top-coat thickness is 2-inches. For LWIC over structural concrete, reference is made to FBC 1917.4.1, Point 1. For "pre-existent" LWIC references, listings were established through testing over lightweight concrete cast using only foaming agent (ASTM C896), water and Portland cement (ASTM C150), with no proprietary additives, in accordance with procedures adopted by Miami-Dade BCCO (FBC CER1592). Use of these listings in new construction or re-roof (tear-off) applications is at the discretion of the Designer or Record and Authority Having Jurisdiction.



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

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

TABLE 4B: INSULATION ATTACHMENT PATTERNS – 4x8 FT BOARDS			
1 per 4.0 ft ² (8 per board)	1 per 3.6 ft ² (9 per board)	1 per 2.7 ft ² (12 per board)	1 per 2.3 ft ² (14 per board)



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TABLE 4B: INSULATION ATTACHMENT PATTERNS – 4x8 FT BOARDS			
1 per 2.1 ft ² (15 per board)	1 per 2.0 ft ² (16 per board)	1 per 1.8 ft ² (18 per board)	1 per 1.6 ft ² (20 per board)
1 per 1.5 ft ² (22 per board)	1 per 1.3 ft ² (24 per board)	1 per 1.0 ft ² (32 per board)	

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

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

(g) In addition to [Table 2](#), the following products are interchangeable within the scope of this NER:

TABLE 4C: ACCEPTABLE ALTERNATES		
TYPE	LISTED PRODUCT	ALTERNATE PRODUCT
ROOFING INSULATION:	GenFlex ISO Insulation	ISO 95+ GL, GenFlex GL ISO Insulation or ISOGARD GL
	GenFlex Coated Glass Facer	GenFlex CG ISO Insulation, RESISTA or ISOGARD CG
	GenFlex HailGard	GenFlex ISO HG, Elevate HailGard or ISOGARD HG
	DensDeck Prime	DensDeck StormX Prime Roof Board



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3.1.3 Insulation Adhesives:

- (a) Unless otherwise noted, insulation adhesive application rate is continuous ribbons, maximum 12-inch o.c. Ribbons shall be applied and insulation boards shall be set in accordance with the manufacturer’s published instructions. When multiple layers(s) of insulation and/or coverboard are installed in ribbon-applied adhesive, boards shall be staggered from layer-to-layer. The maximum edge distance from the adhesive ribbon to the edge of the insulation board shall be not less than one-half the specified ribbons spacing. When applied to profiled steel roof deck, ribbons shall be applied to the top-flange so as to establish positive-contact with the overlying insulation board.

TABLE 5A: INSULATION ADHESIVE REFERENCES			
ADHESIVE	REFERENCE	MINIMUM RATE	NOTE
GenFlex ISO Bond Insulation Adhesive	GF-ISO-BOND	Continuous 0.75 to 1-inch wide ribbons, 12-inch o.c.	
GenFlex One Step Insulation Adhesive	GF-OSIA	Continuous 0.5 to 0.75-inch wide ribbons, 12-inch o.c.	
Quick Dual	N/A	Continuous 0.75-inch wide ribbons, 12-inch o.c.	Quick Dual may be used where GF-ISO-BOND is referenced herein for insulation securement
Quick Dual Y	Quick Dual Y (RIBBON-1)	Continuous 1.0-inch to 2.5-inch ribbons, 12-inch o.c.	
Quick Dual Y	Quick Dual Y (RIBBON-2)	Continuous 2.5-3.5-inch wide ribbons, 12-inch o.c.	
Quick Dual Y	Quick Dual Y (SPATTER)	2.85 lbs/square	
I.S.O. Spray R	N/A	Continuous 0.5 to 0.75-inch wide ribbons, 12-inch o.c.	
Elevate LiquiGard Membrane Adhesive	LiquiGard	Continuous 0.75 to 1-inch wide ribbons, 12-inch o.c.	
ASTM D312, Type IV hot asphalt	N/A	Full coverage at 25-30 lbs/square	If applying hot asphalt to concrete deck, deck shall be primed with ASTM D41 primer

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

TABLE 5B: MDP LIMITATIONS FOR TAPERED POLYISOCYANURATE INSULATIONS			
ADHESIVE	INSULATION	MIN. TAPERED THICKNESS (IN)	MDP (psf)
I.S.O. Spray R	GenFlex ISO Insulation	0.5	-157.5
GF-ISO-BOND		0.5	-187.5
GF-OSIA		0.5	-157.5
Quick Dual Y		1.0	-117.5
Hot asphalt		0.5	-120.0
I.S.O. Spray R, GF-ISO-BOND or GF-OSIA, 12-inch o.c.	GenFlex CG ISO Insulation	0.5	-165.0
I.S.O. Spray R, GF-ISO-BOND or GF-OSIA, 6-inch o.c.		0.5	-405.0

- (c) Adhered Insulation, Board Size:
- IBC, CBC, or FBC non-HVHZ: Unless otherwise noted, refer to Section 2.2.10.6.2 of [FM Loss Prevention Data Sheet 1-29](#).
 - FBC HVHZ: Bonded polyisocyanurate insulation boards shall be maximum 4 x 4 ft.



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3.1.4 Roof Covers:

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

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

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

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

3.1.5 Vapor Barriers:

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

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



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4. LIMITATIONS OF USE:

4.1 General:

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

4.1.2 Roof Decks:

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

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

4.1.3 Fire Classification:

- (a) Refer to **IBC, CBC, FBC 1505, FBC HVHZ 1516, UL TGFU.R9516** and the fire classification certificate for the roof cover manufacturer for requirements and limitations regarding roof assembly fire classification.
- (b) Refer to **IBC or FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.

4.1.4 Quality Assurance:

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



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ISO/IEC 17065

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Product Certification
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4.2 Jurisdiction Specific:

	IBC, CBC, FBC Non-HVHZ	FBC HVHZ
4.2.1	This NER does not include evaluation of roof edge termination. Refer to IBC, CBC, or FBC 1504.5 for requirements and limitations regarding edge securement for low-slope roofs.	This NER does not include evaluation of roof edge termination. Refer to RAS 111 for requirements and limitations regarding edge securement for low-slope roofs.
4.2.2	Refer to IBC, CBC or FBC 1511 for requirements and limitations regarding recover installations. <ul style="list-style-type: none"> (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. 	Refer to FBC HVHZ 1521 for requirements and limitations regarding recover installations. <ul style="list-style-type: none"> For mechanical attachment to existing roof decks, fasteners shall be tested for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with TAS 105. For adhered re-roof (tear off) installation, the existing substrate shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with TAS 124 shall be conducted on mock-ups of the proposed interface. For adhered recover installation, the existing roof system shall meet project design pressure requirements on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with TAS 124.
4.2.3	<u>Wind Load Resistance:</u> <ul style="list-style-type: none"> (a) Refer to Section 4.3 for a tabulated summary of assembly listings and maximum allowable design pressures. (b) "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety per FBC 1504.9 has already been applied). Refer to IBC, CBC or FBC 1609 for determination of design wind loads. (c) The MDP for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with IBC, CBC or FBC Chapter 16. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are ANSI/SPRI WD1, FM Loss Prevention Data Sheet 1-29, RAS 117 and RAS 137. Assemblies marked with an asterisk* carry the limitations set forth in Section 2.2.10.1 of FM Loss Prevention Data Sheet 1-29 for Zone 2/3 enhancements. (d) For fully-adhered installations, the maximum design pressure for the selected assembly shall meet or exceed the critical design pressure. Rational analysis is not permitted. 	<ul style="list-style-type: none"> "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety per TAS 114 has already been applied). Refer to FBC HVHZ 1620 or RAS 128 for determination of design wind loads. Assemblies having a MDP < 45.0 psf are not permitted in FBC HVHZ jurisdictions. The MDP for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with FBC HVHZ 1620 or RAS 128. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Analysis shall be in accordance with RAS 117 or RAS 137. For assemblies marked with an asterisk*, the maximum design pressure (MDP) limitation shall be applicable to all roof pressure zones. Rational analysis is not permitted.



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

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

(a) **Steel Decks:**

For System Types B-1, B-2 and C-1 over steel deck, Vapor Shield Membrane, self-adhered, may be installed atop the steel roof deck prior to installation of subsequent insulation components. Refer to [FM Loss Prevention Data Sheet](#) 1-29 for design and installation limitations.

(b) **Structural Concrete Decks:**

TABLE 8A: STRUCTURAL CONCRETE DECK VAPOR BARRIER FOLLOWED BY ADHERED INSULATION						
OPTION #	PRIMER	VAPOR BARRIER		INSULATION ADHESIVE PER TABLE 11A (3.1.3)	MDP (PSF)	
		TYPE (3.1.4)	ATTACH			
C-VB-1.	ASTM D41	Base Ply: MB Base, SBS Base, APP 160 COOL		Multi-Purpose MB Cold Adhesive, 1.5-2.0 gal/sq.	Multi-Purpose MB Cold Adhesive	-67.5*
C-VB-2.	None	MB Base, SBS Base		LiquiGard, 1.5-2.0 gal/sq.	I.S.O. Spray R or GF-OSIA	-240.0
C-VB-3.	ASTM D41	MB Base		GF-OSIA, 4" o.c.	GF-OSIA	-232.5
C-VB-4.	ASTM D41	1 or 2 plies GenFlex Type IV or GenFlex Type VI or 1 ply MB Base, SBS Base		Hot asphalt	Hot asphalt	-120.0
C-VB-5.	ASTM D41	1 or 2 plies GenFlex Type IV or GenFlex Type VI or 1 ply MB Base, SBS Base		Hot asphalt	I.S.O. Spray R or GF-OSIA	-495.0
C-VB-6.	ASTM D41	Poly Torch Base, SBS Glass Torch Base, SBS Glass Torch Base 1.5, SBS Smooth		Torch-applied	I.S.O. Spray R or GF-OSIA	-495.0
C-VB-7.	ASTM D41	MB Base, SBS Base		Hot asphalt	Quick Dual, 4-inch o.c.	-337.5
C-VB-8.	ASTM D41	Poly Torch Base, SBS Glass Torch Base, SBS Glass Torch Base 1.5, SBS Smooth		Torch-applied	Quick Dual, 4-inch o.c.	-337.5
C-VB-9.	SA-Solvent Based (SB) Primer	Vapor Shield Membrane		Self-adhering	I.S.O. Spray R	-255.0
C-VB-10.	SA-Solvent Based (SB) Primer	Vapor Shield Membrane		Self-adhering	GF-ISO-BOND	-262.5
C-VB-11.	SA-Solvent Based (SB) Primer	Vapor Shield Membrane		Self-adhering	GF-OSIA	-255.0
C-VB-12.	SA-Solvent Based (SB) Primer	Vapor Shield Membrane		Self-adhering	Quick Dual Y (RIBBON-1)	-217.5
C-VB-13.	None	V-Force FR		Self-adhering	I.S.O. Spray R, GF-OSIA, GF-ISO-BOND, Quick Dual, Quick Dual Y (RIBBON-1)	-185.0
C-VB-14.	None	V-Force FR		Self-adhering	I.S.O. Spray R, GF-OSIA, Quick Dual, Quick Dual Y, 6-inch o.c.	-202.5



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4.3.2 Roof Assemblies:

ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE						
TABLE	DECK	APPLICATION	TYPE	DESCRIPTION	PAGE	
9A	Wood	New or Reroof (Tear-Off)	A-2	Bonded Vapor or Air Barrier, Bonded Insulation(s)	13	
9B	Wood	New or Reroof (Tear-Off)	B-2	Mechanically Attached Thermal Barrier, Bonded Vapor or Air Barrier, Bonded Insulation	16	
9C	Wood	New or Reroof (Tear-Off)	C-1	Mechanically Attached Insulation, Bonded Roof Cover	20	
9D	Wood	New or Reroof (Tear-Off)	D-2	Insulated, Mechanically Attached Anchor Sheet, Bonded Roof Cover	21	
9E	Wood	New or Reroof (Tear-Off)	E-2	Non-Insulated, Mechanically Attached Anchor Sheet, Bonded Roof Cover	21	
9F	Wood	New, Reroof (Tear-Off), or Recover	E-2	Non-Insulated, Mechanically Attached Anchor Sheet, Bonded Roof Cover	22	
10A	Steel	New or Reroof (Tear-Off)	A-2	Bonded Vapor or Air Barrier, Bonded Insulation	22	
10B	Steel	New or Reroof (Tear-Off)	A-3	Bonded Thermal Barrier, Bonded Vapor or Air Barrier, Bonded Insulation	24	
10C	Steel	New or Reroof (Tear-Off)	B-2	Mechanically Attached Thermal Barrier, Bonded Vapor or Air Barrier, Bonded Insulation	26	
10D	Steel or Structural Concrete	New, Reroof (Tear-Off), or Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation(s), Bonded Roof Cover	28	
10E	Steel or Structural Concrete	New, Reroof (Tear-Off), or Recover	B-2	Mechanically Attached Thermal Barrier, Bonded Temp Roof, Bonded Top Insulation, Bonded Roof Cover	35	
10F	Steel or Structural Concrete	New, Reroof (Tear-Off), or Recover	C-1	Insulated, Mechanically Attached Insulation, Bonded Roof Cover	38	
10G	Steel or Structural Concrete	New, Reroof (Tear-Off), or Recover	D-2	Insulated, Mechanically Attached Anchor Sheet, Bonded Roof Cover	43	
11A	Structural Concrete	New or Reroof (Tear-Off)	A-1	Bonded Insulation(s), Bonded Roof Cover	45	
11B	Structural Concrete	New or Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	56	
12A	Deck with Lightweight Concrete	New or Reroof (Tear-Off)	A-1	Bonded Insulation(s), Bonded Roof Cover	57	
12B	Deck with Lightweight Concrete	New or Reroof (Tear-Off)	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	72	
12C	LWC over Steel or Structural Concrete Decks	New or Reroof (Tear-Off)	E-2	Non-Insulated, Mechanically Attached Anchor Sheet, Bonded Roof Cover	73	
12D	LWC over Steel or Structural Concrete Decks	New or Reroof (Tear-Off)	E-2	Non-Insulated, Mechanically Attached Anchor Sheet, Bonded Roof Cover	78	
13A	Cementitious Wood Fiber	New or Reroof (Tear-Off)	A-1	Bonded Insulation(s), Bonded Roof Cover	78	
13B	Cementitious Wood Fiber	New, Reroof (Tear-Off), or Recover	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation(s), Bonded Roof Cover	78	
13C	Cementitious Wood Fiber	Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	79	
13D	Cementitious Wood Fiber	New, Reroof (Tear-Off), or Recover	D-2	Insulated, Mechanically Attached Anchor Sheet, Bonded Roof Cover	79	
13E	Cementitious Wood Fiber	New, Reroof (Tear-Off), or Recover	E-2	Non-Insulated, Mechanically Attached Anchor Sheet, Bonded Roof Cover	79	
14A	Existing Gypsum	Reroof (Tear-Off)	A-1	Bonded Insulation(s), Bonded Roof Cover	80	
14B	Existing Gypsum	Reroof (Tear-Off)	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	83	
14C	Existing Gypsum	Reroof (Tear-Off)	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	84	
14D	Existing Gypsum	Reroof (Tear-Off)	D-2	Insulated, Mechanically Attached Anchor Sheet, Bonded Roof Cover	84	
14E	Existing Gypsum	Reroof (Tear-Off)	E-2	Non-Insulated, Mechanically Attached Anchor Sheet, Bonded Roof Cover	85	



ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE

TABLE	DECK	APPLICATION	TYPE	DESCRIPTION	PAGE
15A	Various	Recover	A-1	Bonded Insulation(s), Bonded Roof Cover	85

**TABLE 9A: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-2: BONDED VAPOR OR AIR BARRIER, BONDED INSULATION(S)
 NOT FOR USE IN HVHZ JURISDICTIONS**

SYSTEM NO.	DECK (4.1.2)	VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)
			PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
COLD-APPLIED BASE; ELEVATE MULTI-PURPOSE MB COLD ADHESIVE:										
W-1	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO	GF-OSIA or I.S.O. Spray R	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5
W-2	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO	GF-OSIA or I.S.O. Spray R	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-52.5
W-3	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (RIBBON, 4-inch o.c.)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO	Quick Dual Y (RIBBON, 4-inch o.c.)	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5
W-4	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (RIBBON, 4-inch o.c.)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO	Quick Dual Y (RIBBON, 4-inch o.c.)	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-52.5
W-5	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (SPATTER)	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or GenFlex HD ISO	Quick Dual Y (SPATTER)	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-90.0
W-6	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA, I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	GF-OSIA, I.S.O. Spray R, 6-inch o.c.	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-112.5



**TABLE 9A: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-2: BONDED VAPOR OR AIR BARRIER, BONDED INSULATION(S)
 NOT FOR USE IN HVHZ JURISDICTIONS**

SYSTEM NO.	DECK (4.1.2)	VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)
			PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
W-7	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (RIBBON, 4-inch o.c.)	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	Quick Dual Y (RIBBON, 4-inch o.c.)	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-112.5
ASPHALT AND/OR TORCH APPLIED:										
W-8	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO	GF-OSIA or I.S.O. Spray R	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-52.5
W-9	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO	GF-OSIA or I.S.O. Spray R	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-52.5
W-10	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO	GF-OSIA or I.S.O. Spray R	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-52.5
W-11	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (RIBBON, 4-inch o.c.)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO	Quick Dual Y (RIBBON, 4-inch o.c.)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-52.5
W-12	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (RIBBON, 4-inch o.c.)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO	Quick Dual Y (RIBBON, 4-inch o.c.)	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-52.5
W-13	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (RIBBON, 4-inch o.c.)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO	Quick Dual Y (RIBBON, 4-inch o.c.)	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-52.5
W-14	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (SPATTER)	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or GenFlex HD ISO	Quick Dual Y (SPATTER)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-90.0



**TABLE 9A: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-2: BONDED VAPOR OR AIR BARRIER, BONDED INSULATION(S)
NOT FOR USE IN HVHZ JURISDICTIONS**

SYSTEM NO.	DECK (4.1.2)	VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)
			PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
W-15	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (SPATTER)	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or GenFlex HD ISO	Quick Dual Y (SPATTER)	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-90.0
W-16	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (SPATTER)	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or GenFlex HD ISO	Quick Dual Y (SPATTER)	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-90.0
W-17	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA, I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	GF-OSIA, I.S.O. Spray R, 6-inch o.c.	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-112.5
W-18	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA, I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	GF-OSIA, I.S.O. Spray R, 6-inch o.c.	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-112.5
W-19	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA, I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	GF-OSIA, I.S.O. Spray R, 6-inch o.c.	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-112.5
W-20	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (RIBBON, 4-inch o.c.)	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	Quick Dual Y (RIBBON, 4-inch o.c.)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-112.5
W-21	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (RIBBON, 4-inch o.c.)	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	Quick Dual Y (RIBBON, 4-inch o.c.)	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-112.5
W-22	Min. 15/32-inch APA rated CDX 4-ply plywood	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (RIBBON, 4-inch o.c.)	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	Quick Dual Y (RIBBON, 4-inch o.c.)	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-112.5



TABLE 9B: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)													
SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, BONDED INSULATION													
SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER			VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTEN (4.2.2)	ATTACH (3.1.2)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
COLD-APPLIED BASE; ELEVATE MULTI-PURPOSE MB COLD ADHESIVE:													
W-23	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO or SECUROCK Cement Roof Board	GF-OSIA or I.S.O. Spray R	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5
W-24	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO or SECUROCK Cement Roof Board	GF-OSIA or I.S.O. Spray R	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-52.5
W-25	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (RIBBON, 4-inch o.c.)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO or SECUROCK Cement Roof Board	Quick Dual Y (RIBBON, 4-inch o.c.)	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5
W-26	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (RIBBON, 4-inch o.c.)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO or SECUROCK Cement Roof Board	Quick Dual Y (RIBBON, 4-inch o.c.)	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-52.5
W-27	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-60.0
W-28	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (SPATTER)	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or GenFlex HD ISO	Quick Dual Y (SPATTER)	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-60.0



TABLE 9B: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, BONDED INSULATION

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER			VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTEN (4.2.2)	ATTACH (3.1.2)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
W-29	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.5-inch DensDeck Prime	Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-75.0
W-30	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.5-inch DensDeck Prime	Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (SPATTER)	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or GenFlex HD ISO	Quick Dual Y (SPATTER)	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-75.0
ASPHALT AND/OR TORCH APPLIED:													
W-31.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO or SECUROCK Cement Roof Board	GF-OSIA or I.S.O. Spray R	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-52.5
W-32.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO or SECUROCK Cement Roof Board	GF-OSIA or I.S.O. Spray R	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-52.5
W-33.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO or SECUROCK Cement Roof Board	GF-OSIA or I.S.O. Spray R	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-52.5
W-34.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (RIBBON, 4-inch o.c.)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO or SECUROCK Cement Roof Board	Quick Dual Y (RIBBON, 4-inch o.c.)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-52.5
W-35.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (RIBBON, 4-inch o.c.)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO or SECUROCK Cement Roof Board	Quick Dual Y (RIBBON, 4-inch o.c.)	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-52.5



TABLE 9B: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, BONDED INSULATION

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER			VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTEN (4.2.2)	ATTACH (3.1.2)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
W-36.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (RIBBON, 4-inch o.c.)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO or SECUROCK Cement Roof Board	Quick Dual Y (RIBBON, 4-inch o.c.)	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-52.5
W-37.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-60.0
W-38.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-60.0
W-39.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-60.0
W-40.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (SPATTER)	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or GenFlex HD ISO	Quick Dual Y (SPATTER)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-60.0
W-41.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (SPATTER)	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or GenFlex HD ISO	Quick Dual Y (SPATTER)	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-60.0
W-42.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.25-inch DensDeck Prime	Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (SPATTER)	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or GenFlex HD ISO	Quick Dual Y (SPATTER)	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-60.0



TABLE 9B: WOOD DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, BONDED INSULATION

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER			VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTEN (4.2.2)	ATTACH (3.1.2)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
W-43.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.5-inch DensDeck Prime	Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-75.0
W-44.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.5-inch DensDeck Prime	Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-75.0
W-45.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.5-inch DensDeck Prime	Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-75.0
W-46.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.5-inch DensDeck Prime	Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (SPATTER)	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or GenFlex HD ISO	Quick Dual Y (SPATTER)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-75.0
W-47.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.5-inch DensDeck Prime	Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (SPATTER)	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or GenFlex HD ISO	Quick Dual Y (SPATTER)	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-75.0
W-48.	Min. 19/32-inch APA rated CDX 4-ply plywood	Min. 0.5-inch DensDeck Prime	Trufast Versa-Fast Metal Plate with minimum two (2) Versa-Fast Fasteners per plate	1 per 1.45 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (SPATTER)	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or GenFlex HD ISO	Quick Dual Y (SPATTER)	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-75.0



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Amrize Bulding Envelope LLC (GenFlex)

FL48090



ISO/IEC 17065 PCA-145

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

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



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

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



TABLE 9F: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER							
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED ANCHOR SHEET, BONDED ROOF COVER							
SYSTEM NO.	DECK (4.1.2)	BASE SHEET			ROOF COVER (3.1.4)		MDP (PSF)
		BASE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	CAP PLY	
COLD-APPLIED BASE PLY; ELEVATE LIQUIGARD MEMBRANE ADHESIVE:							
W-64.	Min. 19/32-inch plywood at max. 24-inch spans, blocked max. 78-inch o.c.	MB Base, Channel Venting Base	3.1.1	12-inch o.c. in the 3.5-inch side lap and 12-inch o.c. in two (2), equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-CA2, SBS-CA2	SBS-CA2, SBS-AA, SBS-TA	-60.0
ASPHALT OR TORCH APPLIED BASE PLY:							
W-65.	Min. 19/32-inch plywood at max. 24-inch spans attached	MB Base, Channel Venting Base	3.1.1	12-inch o.c. in the 4-inch side lap and 12-inch o.c. in two (2), equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-52.5
W-66.	Min. 19/32-inch plywood at max. 24-inch spans, blocked max. 78-inch o.c.	MB Base, Channel Venting Base	3.1.1	12-inch o.c. in the 3.5-inch side lap and 12-inch o.c. in two (2), equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA or SBS-TA	SBS-CA2, SBS-AA, SBS-TA	-60.0
W-67.	Min. 19/32-inch plywood at max. 24-inch spans, blocked max. 78-inch o.c.	MB Base, Channel Venting Base	3.1.1	12-inch o.c. in the 2-inch side lap and 12-inch o.c. in two (2), equally spaced, staggered rows in the center of the sheet	One or more BP-AA, SBS-AA or SBS-TA	SBS-CA2, SBS-AA, SBS-TA	-75.0
SELF-ADHERING BASE PLY:							
W-68.	Min. 19/32-inch plywood at max. 24-inch spans, blocked max. 78-inch o.c.	MB Base, Channel Venting Base	3.1.1	12-inch o.c. in the 2-inch side lap and 12-inch o.c. in two (2), equally spaced, staggered rows in the center of the sheet	SBS-SA	SBS-AA, SBS-TA	-75.0

TABLE 10A: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)										
SYSTEM TYPE A-2: BONDED VAPOR OR AIR BARRIER, BONDED INSULATION										
SYSTEM NO.	DECK (4.1.2 AND 4.2.2)	VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)
			PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
COLD-APPLIED BASE; ELEVATE MULTI-PURPOSE MB COLD ADHESIVE:										
S-1	Min. 22 ga., Type B, Grade 40 steel	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-90.0



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

SYSTEM NO.	DECK (4.1.2 AND 4.2.2)	VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)
			PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
S-2	Min. 22 ga., Type B, Grade 40 steel	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (SPATTER)	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or GenFlex HD ISO	Quick Dual Y (SPATTER)	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS- CA2, SBS-AA or SBS- TA	-90.0
ASPHALT AND/OR TORCH APPLIED:										
S-3	Min. 22 ga., Type B, Grade 40 steel	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum- Fiber Roof Board or GenFlex HD ISO	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	BP-AA or SBS-AA	(Optional) One or more BP- AA, SBS- AA or APP-TA	SBS-AA or APP- TA	-90.0
S-4	Min. 22 ga., Type B, Grade 40 steel	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum- Fiber Roof Board or GenFlex HD ISO	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS- CA2, SBS-AA or SBS- TA	-90.0
S-5	Min. 22 ga., Type B, Grade 40 steel	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum- Fiber Roof Board or GenFlex HD ISO	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	APP-TA	(Optional) APP-TA	APP-CA or APP- TA	-90.0
S-6	Min. 22 ga., Type B, Grade 40 steel	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (SPATTER)	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or GenFlex HD ISO	Quick Dual Y (SPATTER)	BP-AA or SBS-AA	(Optional) One or more BP- AA, SBS- AA or APP-TA	SBS-AA or APP- TA	-90.0
S-7	Min. 22 ga., Type B, Grade 40 steel	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (SPATTER)	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or GenFlex HD ISO	Quick Dual Y (SPATTER)	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS- CA2, SBS-AA or SBS- TA	-90.0
S-8	Min. 22 ga., Type B, Grade 40 steel	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (SPATTER)	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, or GenFlex HD ISO	Quick Dual Y (SPATTER)	APP-TA	(Optional) APP-TA	APP-CA or APP- TA	-90.0



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

SYSTEM No.	DECK (4.1.2)	THERMAL BARRIER		VAPOR OR AIR BARRIER	INSULATION BASE LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ADHESIVE (3.1.3)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
COLD-APPLIED BASE; ELEVATE MULTI-PURPOSE MB COLD ADHESIVE:												
S-9	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum- Fiber Roof Board	GF-OSIA or I.S.O. Spray R (every other flute)	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO or SECUROCK Cement Roof Board	GF-OSIA or I.S.O. Spray R	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5
S-10	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum- Fiber Roof Board	GF-OSIA or I.S.O. Spray R (every other flute)	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO or SECUROCK Cement Roof Board	GF-OSIA or I.S.O. Spray R	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-52.5
S-11	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	GF-OSIA or I.S.O. Spray R (every other flute)	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO	GF-OSIA or I.S.O. Spray R	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5
S-12	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	GF-OSIA or I.S.O. Spray R (every other flute)	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO	GF-OSIA or I.S.O. Spray R	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-52.5
ASPHALT AND/OR TORCH APPLIED:												
S-13	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum- Fiber Roof Board	GF-OSIA or I.S.O. Spray R (every other flute)	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO or SECUROCK Cement Roof Board	GF-OSIA or I.S.O. Spray R	BP-AA or SBS-AA	(Optional) One or more BP- AA, SBS- AA or APP-TA	SBS-AA or APP-TA	-52.5



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

SYSTEM No.	DECK (4.1.2)	THERMAL BARRIER		VAPOR OR AIR BARRIER	INSULATION BASE LAYER		TOP INSULATION LAYER(s)		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ADHESIVE (3.1.3)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
S-14	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum- Fiber Roof Board	GF-OSIA or I.S.O. Spray R (every other flute)	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO or SECUROCK Cement Roof Board	GF-OSIA or I.S.O. Spray R	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-52.5
S-15	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum- Fiber Roof Board	GF-OSIA or I.S.O. Spray R (every other flute)	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO or SECUROCK Cement Roof Board	GF-OSIA or I.S.O. Spray R	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-52.5
S-16	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	GF-OSIA or I.S.O. Spray R (every other flute)	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO	GF-OSIA or I.S.O. Spray R	BP-AA or SBS-AA	(Optional) One or more BP- AA, SBS- AA or APP-TA	SBS-AA or APP-TA	-52.5
S-17	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	GF-OSIA or I.S.O. Spray R (every other flute)	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO	GF-OSIA or I.S.O. Spray R	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-52.5
S-18	Min. 22 ga., Type B, Grade 40 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	GF-OSIA or I.S.O. Spray R (every other flute)	V-Force FR, self-adhering	One or more layers, min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board, min. 7/16-inch APA Rated OSB or min. 0.5-inch GenFlex HD ISO	GF-OSIA or I.S.O. Spray R	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-52.5



TABLE 10c: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, BONDED INSULATION

SYSTEM NO.	DECK (4.1.2)	THERMAL BARRIER			VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTEN (4.2.2)	ATTACH (3.1.2)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
COLD-APPLIED BASE; ELEVATE MULTI-PURPOSE MB COLD ADHESIVE:													
S-19	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-37.5 (NO FBC HVHZ)
S-20	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-37.5 (NO FBC HVHZ)
S-21	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (SPATTER)	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (SPATTER)	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-37.5 (NO FBC HVHZ)
S-22	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (SPATTER)	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (SPATTER)	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-37.5 (NO FBC HVHZ)
S-23	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-135.0
S-24	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (RIBBON, 4-inch o.c.)	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	Quick Dual Y (RIBBON, 4-inch o.c.)	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-112.5
ASPHALT AND/OR TORCH APPLIED:													
S-25	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	BP-AA or SBS-AA	(Optional) One or more BP- AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-37.5 (NO FBC HVHZ)
S-26	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-37.5 (NO FBC HVHZ)



TABLE 10c: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, BONDED INSULATION

SYSTEM No.	DECK (4.1.2)	THERMAL BARRIER			VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTEN (4.2.2)	ATTACH (3.1.2)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
S-27	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-37.5 (NO FBC HVHZ)
S-28	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (SPATTER)	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (SPATTER)	BP-AA or SBS-AA	(Optional) One or more BP- AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-37.5 (NO FBC HVHZ)
S-29	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (SPATTER)	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (SPATTER)	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-37.5 (NO FBC HVHZ)
S-30	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (SPATTER)	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (SPATTER)	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-37.5 (NO FBC HVHZ)
S-31	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	BP-AA or SBS-AA	(Optional) One or more BP- AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-135.0
S-32	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-135.0
S-33	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	GF-OSIA or I.S.O. Spray R, 6-inch o.c.	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-135.0
S-34	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (RIBBON, 4-inch o.c.)	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	Quick Dual Y (RIBBON, 4-inch o.c.)	BP-AA or SBS-AA	(Optional) One or more BP- AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-112.5
S-35	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (RIBBON, 4-inch o.c.)	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	Quick Dual Y (RIBBON, 4-inch o.c.)	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-112.5



TABLE 10c: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)													
SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, BONDED INSULATION													
SYSTEM No.	DECK (4.1.2)	THERMAL BARRIER			VAPOR OR AIR BARRIER	BASE INSULATION LAYER		TOP INSULATION LAYER(S)		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTEN (4.2.2)	ATTACH (3.1.2)		PRODUCT	ADHESIVE (3.1.3)	PRODUCT	ADHESIVE (3.1.3)	BASE PLY	PLY	CAP PLY	
S-36	Min. 22 ga., Type B, Grade 40 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.0 ft ²	V-Force FR, self-adhering	One or more layer(s), Min. 2-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	Quick Dual Y (RIBBON, 4-inch o.c.)	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or GenFlex HD ISO	Quick Dual Y (RIBBON, 4-inch o.c.)	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-112.5

TABLE 10d: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF), OR RECOVER										
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BONDED INSULATION, BONDED TOP INSULATION(S), BONDED ROOF COVER										
SYSTEM No.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
COLD-APPLIED BASE; ELEVATE MULTI-PURPOSE MB COLD ADHESIVE:										
SC-1.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch GenFlex ISO Insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-ISO-BOND or Quick Dual	APP-CA	None	APP-CA	-37.5* (NO FBC HVHZ)
SC-2.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 2.0 ft ²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-ISO-BOND or Quick Dual	APP-CA	None	APP-CA	-37.5* (NO FBC HVHZ)
SC-3.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 2.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer; Min. 0.5-inch GenFlex HD ISO	GF-ISO-BOND or Quick Dual	APP-CA	None	APP-CA	-45.0*
SC-4.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch GenFlex ISO Insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-ISO-BOND or Quick Dual	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-30.0* (NO FBC HVHZ)
SC-5.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 2.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer; Min. 0.5-inch GenFlex HD ISO	GF-ISO-BOND or Quick Dual	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
SC-6.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 2.0 ft ²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-ISO-BOND or Quick Dual	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*



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

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
SC-7.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 4.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R, GF-OSIA	APP-CA	None	APP-CA	-37.5* (NO FBC HVHZ)
SC-8.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 3.2 ft ²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray R, GF-OSIA	APP-CA	None	APP-CA	-37.5* (NO FBC HVHZ)
SC-9.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 2.0 ft ²	Min. 0.5-inch Tapered GenFlex Coated Glass Facer	I.S.O. Spray R, GF-OSIA	APP-CA	None	APP-CA	-37.5* (NO FBC HVHZ)
SC-10.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch GenFlex ISO Insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray R, GF-OSIA	APP-CA	None	APP-CA	-37.5* (NO FBC HVHZ)
SC-11.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch GenFlex ISO Insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray R, GF-OSIA	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-30.0* (NO FBC HVHZ)
SC-12.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 4.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R, GF-OSIA	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-37.5* (NO FBC HVHZ)
SC-13.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 3.2 ft ²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray R, GF-OSIA	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-37.5* (NO FBC HVHZ)
SC-14.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 2.0 ft ²	Min. 0.5-inch Tapered GenFlex ISO Insulation or GenFlex Coated Glass Facer	I.S.O. Spray R, GF-OSIA	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-37.5* (NO FBC HVHZ)
SC-15.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2.2-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 4.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer; Min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R, GF-OSIA	APP-CA	None	APP-CA	-45.0*



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

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2e)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
SC-16.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 2.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer; Min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R, GF-OSIA	APP-CA	None	APP-CA	-45.0*
SC-17.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2.2-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 4.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R, GF-OSIA	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
SC-18.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 2.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer; Min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R, GF-OSIA	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
SC-19.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch GenFlex ISO Insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Quick Dual Y (RIBBON-1 or SPATTER)	APP-CA	None	APP-CA	-37.5* (NO FBC HVHZ)
SC-20.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 2.0 ft ²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Quick Dual Y (RIBBON-1 or SPATTER)	APP-CA	None	APP-CA	-37.5* (NO FBC HVHZ)
SC-21.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 2.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer; Min. 0.5-inch GenFlex HD ISO	Quick Dual Y (RIBBON-1 or SPATTER)	APP-CA	None	APP-CA	-45.0*
SC-22.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch GenFlex ISO Insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Quick Dual Y (RIBBON-1 or SPATTER)	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-30.0* (NO FBC HVHZ)
SC-23.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 2.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer; Min. 0.5-inch GenFlex HD ISO	Quick Dual Y (RIBBON-1 or SPATTER)	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
SC-24.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 2.0 ft ²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Quick Dual Y (RIBBON-1 or SPATTER)	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*



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

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
COLD-APPLIED BASE; ELEVATE LIQUIGARD MEMBRANE ADHESIVE:										
SC-25.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 2.7 ft ²	Tapered GenFlex ISO Insulation or min. 1.5-inch GenFlex ISO Insulation	I.S.O. Spray R, GF-OSIA, GF-ISO-BOND, or Quick Dual	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-30.0* (NO FBC HVHZ)
SC-26.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 4.0 ft ²	Tapered GenFlex ISO Insulation or min. 1.5-inch GenFlex ISO Insulation	I.S.O. Spray R, GF-OSIA, GF-ISO-BOND, or Quick Dual	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-37.5* (NO FBC HVHZ)
SC-27.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO Insulation	3.1.1	1 per 2.7 ft ²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	LiquiGard	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-45.0*
SC-28.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO Insulation	3.1.1	1 per 4.0 ft ²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	LiquiGard, I.S.O. Spray R, GF-OSIA, GF-ISO-BOND, or Quick Dual	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-45.0*
SC-29.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO Insulation	3.1.1	1 per 1.6 ft ²	Min. 1.5-inch GenFlex ISO Insulation	I.S.O. Spray R, GF-OSIA, GF-ISO-BOND, or Quick Dual	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-75.0
SC-30.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 2.7 ft ²	Tapered GenFlex ISO Insulation or min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1 or SPATTER)	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-30.0* (NO FBC HVHZ)
SC-31.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 4.0 ft ²	Tapered GenFlex ISO Insulation or min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1 or SPATTER)	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-37.5* (NO FBC HVHZ)
SC-32.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO Insulation	3.1.1	1 per 4.0 ft ²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	Quick Dual Y (RIBBON-1 or SPATTER)	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-45.0*
SC-33.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO Insulation	3.1.1	1 per 1.6 ft ²	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1 or SPATTER)	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-45.0



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

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2e)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
SC-34.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO Insulation	3.1.1	1 per 1.6 ft ²	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y, RIBBON, 4-inch o.c.	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-75.0
ASPHALT AND/OR TORCH APPLIED BASE:										
SC-35.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 4.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray R, GF-OSIA	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-37.5* (NO FBC HVHZ)
SC-36.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2.2-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 4.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray R, GF-OSIA	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
SC-37.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch GenFlex ISO Insulation; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-ISO-BOND, I.S.O. Spray R, GF-OSIA, Quick Dual	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
SC-38.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO Insulation	3.1.1	1 per 1.6 ft ²	Optional min. 0.5-inch base insulation; Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	GF-ISO-BOND or Quick Dual, 6-inch o.c.	BP-AA, SBS-AA, SBS-TA	(Optional) One or more SBS-CA2, BP-AA, SBS-AA, SBS-TA	SBS-CA2, SBS-AA, SBS-TA	-67.5
SC-39.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO Insulation	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch DensDeck Prime	I.S.O. Spray R	BP-AA, SBS-AA, SBS-TA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-TA	-82.5
SC-40.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO Insulation	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch DensDeck Prime	I.S.O. Spray R	BP-AA, SBS-AA, SBS-TA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-TA	-97.5
SC-41.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 4.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Quick Dual Y (RIBBON-1 or SPATTER)	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-37.5* (NO FBC HVHZ)
SC-42.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2.2-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 4.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Quick Dual Y (RIBBON-1 or SPATTER)	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*



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

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2e)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
SC-43.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch GenFlex ISO Insulation; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Quick Dual Y (RIBBON-1 or SPATTER)	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
SC-44.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO Insulation	3.1.1	1 per 1.6 ft ²	Optional min. 0.5-inch base insulation; Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-1 or SPATTER)	BP-AA, SBS-AA, SBS-TA	(Optional) One or more SBS-CA2, BP-AA, SBS-AA, SBS-TA	SBS-CA2, SBS-AA, SBS-TA	-45.0
SC-45.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO Insulation	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch DensDeck Prime	Quick Dual Y (RIBBON-1 or SPATTER)	BP-AA, SBS-AA, SBS-TA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-TA	-45.0
SC-46.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO Insulation	3.1.1	1 per 1.6 ft ²	Optional min. 0.5-inch base insulation; Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y, RIBBON, 4-inch o.c.	BP-AA, SBS-AA, SBS-TA	(Optional) One or more SBS-CA2, BP-AA, SBS-AA, SBS-TA	SBS-CA2, SBS-AA, SBS-TA	-67.5
SC-47.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO Insulation	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch DensDeck Prime	Quick Dual Y, RIBBON, 4-inch o.c.	BP-AA, SBS-AA, SBS-TA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-TA	-82.5
SC-48.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO Insulation	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch DensDeck Prime	Quick Dual Y, RIBBON, 4-inch o.c.	BP-AA, SBS-AA, SBS-TA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-TA	-97.5
SELF-ADHERING BASE:										
SC-49.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 4.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer; Optional min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R, GF-OSIA	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-37.5* (NO FBC HVHZ)
SC-50.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch GenFlex ISO Insulation; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-ISO-BOND, I.S.O. Spray R, GF-OSIA, Quick Dual	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
SC-51.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2.2-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 4.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer; Optional min. 0.5-inch GenFlex HD ISO	I.S.O. Spray R, GF-OSIA	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*



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

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER			TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)*
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.2E)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
SC-52.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO Insulation	3.1.1	1 per 1.6 ft ²	Optional min. 0.5-inch base insulation; Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	GF-ISO-BOND or Quick Dual, 6-inch o.c.	SBS-SA	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-67.5
SC-53.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO Insulation	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R or GF-OSIA, 4-inch o.c.	SBS-SA	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-67.5
SC-54.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO Insulation	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch GenFlex HD ISO	GF-OSIA, 4-inch o.c.	SBS-SA	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-105.0
SC-55.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 4.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer; Optional min. 0.5-inch GenFlex HD ISO	Quick Dual Y (RIBBON-1 or SPATTER)	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-37.5* (NO FBC HVHZ)
SC-56.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 2.0 ft ²	Min. 1.5-inch GenFlex ISO Insulation; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Quick Dual Y (RIBBON-1 or SPATTER)	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
SC-57.	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 2.2-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	3.1.1	1 per 4.0 ft ²	Optional base insulation or Min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer; Optional min. 0.5-inch GenFlex HD ISO	Quick Dual Y (RIBBON-1 or SPATTER)	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
SC-58.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO Insulation	3.1.1	1 per 1.6 ft ²	Optional min. 0.5-inch base insulation; Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-1 or SPATTER)	SBS-SA	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-45.0
SC-59.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO Insulation	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-1 or SPATTER)	SBS-SA	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-45.0
SC-60.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO Insulation	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch GenFlex HD ISO	Quick Dual Y (RIBBON-1 or SPATTER)	SBS-SA	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-45.0
SC-61.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO Insulation	3.1.1	1 per 1.6 ft ²	Optional min. 0.5-inch base insulation; Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y, RIBBON, 4-inch o.c.	SBS-SA	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-67.5
SC-62.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO Insulation	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y, RIBBON, 4-inch o.c.	SBS-SA	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-67.5
SC-63.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO Insulation	3.1.1	1 per 1.0 ft ²	Min. 0.5-inch GenFlex HD ISO	Quick Dual Y, RIBBON, 4-inch o.c.	SBS-SA	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-105.0



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

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER(S) (3.1.2)			TEMP ROOF	TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTEN (3.1.1, 4.2.2)	ATTACH (3.1.2E)		TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
COLD-APPLIED BASE; ELEVATE MULTI-PURPOSE MB COLD ADHESIVE:											
SC-64.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with SA-Solvent Based (SB) Primer	3.1.1	1 per 4.0 ft ²	Vapor Shield Membrane	One or more layers Min. 1.5-inch GenFlex ISO Insulation; optional Min. 0.5-inch Tapered GenFlex ISO Insulation	GF-ISO-BOND or Quick Dual	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
SC-65.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with SA-Solvent Based (SB) Primer	3.1.1	1 per 4.0 ft ²	Vapor Shield Membrane	One or more layers Min. 1.5-inch GenFlex ISO Insulation; optional Min. 0.5-inch Tapered GenFlex ISO Insulation	GF-ISO-BOND or Quick Dual	APP-CA	None	APP-CA	-45.0*
SC-66.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with SA-Solvent Based (SB) Primer	3.1.1	1 per 4.0 ft ²	Vapor Shield Membrane	One or more layers Min. 1.5-inch GenFlex ISO Insulation; optional Min. 0.5-inch Tapered GenFlex ISO Insulation; Min. 0.50-inch GenFlex HD ISO	GF-ISO-BOND or Quick Dual	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
SC-67.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with SA-Solvent Based (SB) Primer	3.1.1	1 per 4.0 ft ²	Vapor Shield Membrane	One or more layers Min. 1.5-inch GenFlex ISO Insulation; optional Min. 0.5-inch Tapered GenFlex ISO Insulation; Min. 0.50-inch GenFlex HD ISO	GF-ISO-BOND or Quick Dual	APP-CA	None	APP-CA	-45.0*
SC-68.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with SA-Solvent Based (SB) Primer	3.1.1	1 per 4.0 ft ²	Vapor Shield Membrane	One or more layers Min. 1.5-inch GenFlex ISO Insulation; optional Min. 0.5-inch Tapered GenFlex ISO Insulation; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-ISO-BOND or Quick Dual	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-30.0* (NO FBC HVHZ)
SC-69.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with SA-Solvent Based (SB) Primer	3.1.1	1 per 4.0 ft ²	Vapor Shield Membrane	One or more layers Min. 1.5-inch GenFlex ISO Insulation; optional Min. 0.5-inch Tapered GenFlex ISO Insulation; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-ISO-BOND or Quick Dual	APP-CA	None	APP-CA	-37.5* (NO FBC HVHZ)
SC-70.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with SA-Solvent Based (SB) Primer	3.1.1	1 per 4.0 ft ²	Vapor Shield Membrane	One or more layers Min. 1.5-inch GenFlex ISO Insulation; optional Min. 0.5-inch Tapered GenFlex ISO Insulation	Quick Dual Y (RIBBON-1 or SPATTER)	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
SC-71.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with SA-Solvent Based (SB) Primer	3.1.1	1 per 4.0 ft ²	Vapor Shield Membrane	One or more layers Min. 1.5-inch GenFlex ISO Insulation; optional Min. 0.5-inch Tapered GenFlex ISO Insulation	Quick Dual Y (RIBBON-1 or SPATTER)	APP-CA	None	APP-CA	-45.0*
SC-72.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with SA-Solvent Based (SB) Primer	3.1.1	1 per 4.0 ft ²	Vapor Shield Membrane	One or more layers Min. 1.5-inch GenFlex ISO Insulation; optional Min. 0.5-inch Tapered GenFlex ISO Insulation; Min. 0.50-inch GenFlex HD ISO	Quick Dual Y (RIBBON-1 or SPATTER)	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*



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

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER(S) (3.1.2)			TEMP ROOF	TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTEN (3.1.1, 4.2.2)	ATTACH (3.1.2E)		TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
SC-73.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with SA-Solvent Based (SB) Primer	3.1.1	1 per 4.0 ft ²	Vapor Shield Membrane	One or more layers Min. 1.5-inch GenFlex ISO Insulation; optional Min. 0.5-inch Tapered GenFlex ISO Insulation; Min. 0.50-inch GenFlex HD ISO	Quick Dual Y (RIBBON-1 or SPATTER)	APP-CA	None	APP-CA	-45.0*
SC-74.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with SA-Solvent Based (SB) Primer	3.1.1	1 per 4.0 ft ²	Vapor Shield Membrane	One or more layers Min. 1.5-inch GenFlex ISO Insulation; optional Min. 0.5-inch Tapered GenFlex ISO Insulation; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Quick Dual Y (RIBBON-1 or SPATTER)	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-30.0* (NO FBC HVHZ)
SC-75.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with SA-Solvent Based (SB) Primer	3.1.1	1 per 4.0 ft ²	Vapor Shield Membrane	One or more layers Min. 1.5-inch GenFlex ISO Insulation; optional Min. 0.5-inch Tapered GenFlex ISO Insulation; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Quick Dual Y (RIBBON-1 or SPATTER)	APP-CA	None	APP-CA	-37.5* (NO FBC HVHZ)
COLD-APPLIED BASE; ELEVATE LIQUIGARD MEMBRANE ADHESIVE:											
SC-76.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with SA-Solvent Based (SB) Primer	3.1.1	1 per 4.0 ft ²	Vapor Shield Membrane	One or more layers Min. 1.5-inch GenFlex ISO Insulation; optional Min. 0.5-inch Tapered GenFlex ISO Insulation	GF-ISO-BOND or Quick Dual	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-45.0*
SC-77.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with SA-Solvent Based (SB) Primer	3.1.1	1 per 4.0 ft ²	Vapor Shield Membrane	One or more layers Min. 1.5-inch GenFlex ISO Insulation; optional Min. 0.5-inch Tapered GenFlex ISO Insulation; Min. 0.50-inch GenFlex HD ISO or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-ISO-BOND or Quick Dual	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-45.0*
SC-78.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with SA-Solvent Based (SB) Primer	3.1.1	1 per 4.0 ft ²	Vapor Shield Membrane	One or more layers Min. 1.5-inch GenFlex ISO Insulation; optional Min. 0.5-inch Tapered GenFlex ISO Insulation	Quick Dual Y (RIBBON-1 or SPATTER)	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-45.0*
SC-79.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with SA-Solvent Based (SB) Primer	3.1.1	1 per 4.0 ft ²	Vapor Shield Membrane	One or more layers Min. 1.5-inch GenFlex ISO Insulation; optional Min. 0.5-inch Tapered GenFlex ISO Insulation; Min. 0.50-inch GenFlex HD ISO or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Quick Dual Y (RIBBON-1 or SPATTER)	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-45.0*



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

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER(S) (3.1.2)			TEMP ROOF	TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTEN (3.1.1, 4.2.2)	ATTACH (3.1.2E)		TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
ASPHALT AND/OR TORCH APPLIED BASE:											
SC-80.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with SA-Solvent Based (SB) Primer	3.1.1	1 per 4.0 ft ²	Vapor Shield Membrane	One or more layers Min. 1.5-inch GenFlex ISO Insulation; optional Min. 0.5-inch Tapered GenFlex ISO Insulation; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-ISO-BOND or Quick Dual	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
SC-81.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with SA-Solvent Based (SB) Primer	3.1.1	1 per 4.0 ft ²	Vapor Shield Membrane	One or more layers Min. 1.5-inch GenFlex ISO Insulation; optional Min. 0.5-inch Tapered GenFlex ISO Insulation; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Quick Dual Y (RIBBON-1 or SPATTER)	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
SELF-ADHERING BASE:											
SC-82.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with SA-Solvent Based (SB) Primer	3.1.1	1 per 4.0 ft ²	Vapor Shield Membrane	One or more layers Min. 1.5-inch GenFlex ISO Insulation; optional Min. 0.5-inch Tapered GenFlex ISO Insulation	GF-ISO-BOND or Quick Dual	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
SC-83.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with SA-Solvent Based (SB) Primer	3.1.1	1 per 4.0 ft ²	Vapor Shield Membrane	One or more layers Min. 1.5-inch GenFlex ISO Insulation; optional Min. 0.5-inch Tapered GenFlex ISO Insulation; Min. 0.50-inch GenFlex HD ISO or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-ISO-BOND or Quick Dual	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
SC-84.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with SA-Solvent Based (SB) Primer	3.1.1	1 per 4.0 ft ²	Vapor Shield Membrane	One or more layers Min. 1.5-inch GenFlex ISO Insulation; optional Min. 0.5-inch Tapered GenFlex ISO Insulation	Quick Dual Y (RIBBON-1 or SPATTER)	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
SC-85.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck or 0.5-inch SECUROCK Gypsum Fiber Roof Board primed with SA-Solvent Based (SB) Primer	3.1.1	1 per 4.0 ft ²	Vapor Shield Membrane	One or more layers Min. 1.5-inch GenFlex ISO Insulation; optional Min. 0.5-inch Tapered GenFlex ISO Insulation; Min. 0.50-inch GenFlex HD ISO or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Quick Dual Y (RIBBON-1 or SPATTER)	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*



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

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	PLY	CAP PLY	
COLD-APPLIED BASE; ELEVATE MULTI-PURPOSE MB COLD ADHESIVE:									
SC-86.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex ISO Insulation	3.1.1	1 per 2.0 ft ²	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
SC-87.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex ISO Insulation	3.1.1	1 per 2.0 ft ²	APP-CA	None	APP-CA	-45.0*
SC-88.	Min. 22 ga., type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 2.3-inch GenFlex ISO Insulation	3.1.1	1 per 2.0 ft ²	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
SC-89.	Min. 22 ga., type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 2.3-inch GenFlex ISO Insulation	3.1.1	1 per 2.0 ft ²	APP-CA	None	APP-CA	-45.0*
SC-90.	Min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex ISO Insulation	3.1.1	1 per 2.0 ft ²	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
SC-91.	Min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex ISO Insulation	3.1.1	1 per 2.0 ft ²	APP-CA	None	APP-CA	-45.0*
SC-92.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck or 0.25-inch SECUROCK Gypsum Fiber Roof Board	3.1.1	1 per 2.0 ft ²	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
SC-93.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch 0.25-inch DensDeck or 0.25-inch SECUROCK Gypsum Fiber Roof Board	3.1.1	1 per 2.0 ft ²	APP_CA	None	APP-CA	-45.0*
SC-94.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch GenFlex HD ISO	3.1.1	1 per 2.7 ft ²	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
SC-95.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch GenFlex HD ISO	3.1.1	1 per 2.7 ft ²	APP-CA	None	APP-CA	-45.0*
SC-96.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex HD Composite ISO	3.1.1	1 per 4.0 ft ²	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0*
SC-97.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex HD Composite ISO	3.1.1	1 per 4.0 ft ²	APP-CA	None	APP-CA	-45.0*
SC-98.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex ISO Insulation	3.1.1	1 per 1.3 ft ²	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5
SC-99.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex ISO Insulation	3.1.1	1 per 1.3 ft ²	APP-CA	None	APP-CA	-52.5



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

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	PLY	CAP PLY	
SC-100.	Min. 22 ga., type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 2.3-inch GenFlex ISO Insulation	3.1.1	1 per 1.3 ft ²	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5
SC-101.	Min. 22 ga., type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 2.3-inch GenFlex ISO Insulation	3.1.1	1 per 1.3 ft ²	APP-CA	None	APP-CA	-52.5
SC-102.	Min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex ISO Insulation	3.1.1	1 per 1.3 ft ²	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5
SC-103.	Min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex ISO Insulation	3.1.1	1 per 1.3 ft ²	APP-CA	None	APP-CA	-52.5
SC-104.	Min. 22 ga. Type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex ISO Insulation, long joints staggered 4 ft	3.1.1	1 per 1.8 ft ²	SBS-CA	None	SBS-CA	-60.0
SC-105.	Min. 22 ga. Type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex HD Composite ISO, long joints staggered 4 ft	3.1.1	1 per 2.7 ft ²	SBS-CA	None	SBS-CA	-60.0
SC-106.	Min. 22 ga. Type B, Grade 33 steel	One or more layers, min. 0.5-inch, any combination, loose laid	Min. 1-inch GenFlex Coated Glass Facer or min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, long joints staggered 4 ft	3.1.1	1 per 1.6 ft ²	SBS-CA	None	SBS-CA	-67.5
SC-107.	Min. 22 ga. Type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex HD Composite ISO, long joints staggered 4 ft	3.1.1	1 per 1.8 ft ²	SBS-CA	None	SBS-CA	-75.0
SC-108.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex GL ISO Insulation	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.45 ft ²	SBS-CA	None	SBS-CA	-90.0
COLD-APPLIED BASE; ELEVATE LIQUIGARD MEMBRANE ADHESIVE:									
SC-109.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex ISO Insulation	3.1.1	1 per 2.7 ft ²	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-45.0*
SC-110.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex ISO Insulation	3.1.1	1 per 4.0 ft ²	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-45.0*
SC-111.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or min. 0.5-inch GenFlex HD ISO	3.1.1	1 per 2.7 ft ²	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-45.0*
SC-112.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex ISO Insulation	3.1.1	1 per 1.8 ft ²	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-60.0
SC-113.	Min. 22 ga. Type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex HD Composite ISO, long joints staggered 4 ft	3.1.1	1 per 2.7 ft ²	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-60.0
SC-114.	Min. 22 ga. Type B, Grade 33 steel	One or more layers, min. 0.5-inch, any combination, loose laid	Min. 1-inch GenFlex Coated Glass Facer or min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, long joints staggered 4 ft	3.1.1	1 per 1.6 ft ²	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-67.5



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

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	PLY	CAP PLY	
SC-115.	Min. 22 ga. Type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex HD Composite ISO, long joints staggered 4 ft	3.1.1	1 per 1.8 ft ²	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-75.0
SC-116.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex ISO Insulation	3.1.1	1 per 1.6 ft ²	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-82.5
SC-117.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex ISO Insulation	3.1.1	1 per 1.3 ft ²	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-90.0
SC-118.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex ISO Insulation	3.1.1	1 per 1.0 ft ²	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-97.5
SC-119.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex ISO Insulation	3.1.1	1 per 1.0 ft ²	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-112.5
SC-120.	Min. 22 ga., Type B, Grade 80 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex ISO Insulation	3.1.1	1 per 1.0 ft ²	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-135.0
ASPHALT AND/OR TORCH APPLIED BASE:									
SC-121.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	3.1.1	1 per 4.0 ft ²	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
SC-122.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck or 0.25-inch SECUROCK Gypsum Fiber Roof Board	3.1.1	1 per 2.0 ft ²	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
SC-123.	Min. 22 ga. Type B, Grade 33 steel	One or more layers, min. 1-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime, long joints staggered 4 ft	3.1.1	1 per 1.3 ft ²	BP-AA, SBS-AA, SBS-TA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-67.5
SC-124.	Min. 22 ga. Type B, Grade 33 steel	One or more layers, min. 1-inch, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board, long joints staggered 4 ft	3.1.1	1 per 1.8 ft ²	BP-AA, SBS-AA, SBS-TA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-67.5
SC-125.	Min. 22 ga. Type B, Grade 33 steel	One or more layers, min. 1-inch, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, long joints staggered 4 ft	3.1.1	1 per 1.8 ft ²	BP-AA, SBS-AA, SBS-TA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-75.0
SC-126.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex GL ISO Insulation	Min. 0.5-inch DensDeck Prime	3.1.1	1 per 1.3 ft ²	SBS-TA	None	SBS-TA	-97.5



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

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	PLY	CAP PLY	
SC-127.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.2-inch GenFlex GL ISO Insulation	Min. 0.5-inch DensDeck Prime	3.1.1	1 per 1.3 ft ²	BP-AA or SBS-AA	One or more BP-AA or SBS-AA	SBS-AA	-112.5
SC-128.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex GL ISO Insulation	Min. 0.5-inch DensDeck Prime	3.1.1	1 per 1.0 ft ²	SBS-TA	None	SBS-TA	-127.5
SC-129.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex GL ISO Insulation	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.0 ft ²	SBS-TA	(Optional) SBS-TA	SBS-TA	-150.0
SC-130.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.2-inch GenFlex GL ISO Insulation	Min. 0.5-inch DensDeck Prime	3.1.1	1 per 1.0 ft ²	BP-AA or SBS-AA	One or more BP-AA or SBS-AA	SBS-AA	-157.5
SC-131.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.2-inch GenFlex GL ISO Insulation	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.3 ft ²	BP-AA or SBS-AA	One or more BP-AA or SBS-AA	SBS-AA	-157.5
SC-132.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.2-inch GenFlex GL ISO Insulation	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	3.1.1	1 per 1.0 ft ²	BP-AA or SBS-AA	One or more BP-AA or SBS-AA	SBS-AA	-172.5
SELF-ADHERING BASE:									
SC-133.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	3.1.1	1 per 2.0 ft ²	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
SC-134.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	3.1.1	1 per 2.0 ft ²	SBS-SA	(Optional) SBS-AA	SBS-AA	-45.0*
SC-135.	Min. 22 ga., type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 2.2-inch GenFlex ISO Insulation	3.1.1	1 per 4.0 ft ²	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
SC-136.	Min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex ISO Insulation	3.1.1	1 per 4.0 ft ²	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
SC-137.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex ISO Insulation	3.1.1	1 per 2.7 ft ²	SBS-SA	(Optional) SBS-TA	SBS-TA	-45.0*
SC-138.	Min. 22 ga., type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 2.2-inch GenFlex ISO Insulation	3.1.1	1 per 4.0 ft ²	SBS-SA	(Optional) SBS-AA	SBS-AA	-45.0*
SC-139.	Min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex ISO Insulation	3.1.1	1 per 4.0 ft ²	SBS-SA	(Optional) SBS-AA	SBS-AA	-45.0*
SC-140.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex Coated Glass Facer	3.1.1	1 per 2.7 ft ²	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*



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

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	PLY	CAP PLY	
SC-141.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch GenFlex HD ISO	3.1.1	1 per 2.7 ft ²	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
SC-142.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex HD Composite ISO	3.1.1	1 per 4.0 ft ²	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0*
SC-143.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex Coated Glass Facer	3.1.1	1 per 2.7 ft ²	SBS-SA	(Optional) SBS-AA	SBS-AA	-45.0*
SC-144.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch GenFlex HD ISO	3.1.1	1 per 2.7 ft ²	SBS-SA	(Optional) SBS-AA	SBS-AA	-45.0*
SC-145.	Min. 22 ga., Type B, Grade 33 or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex HD Composite ISO	3.1.1	1 per 4.0 ft ²	SBS-SA	(Optional) SBS-AA	SBS-AA	-45.0*
SC-146.	Min. 22 ga. Type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex ISO Insulation	3.1.1	1 per 2.7 ft ²	SBS-SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-45.0
SC-147.	Min. 22 ga. Type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex ISO Insulation	3.1.1	1 per 1.8 ft ²	SBS-SA	(Optional) SBS-AA or SBS-TA	SBS-AA or SBS-TA	-60.0
SC-148.	Min. 22 ga. Type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex HD Composite ISO, long joints staggered 4 ft	3.1.1	1 per 2.7 ft ²	SBS-SA	(Optional) SBS-AA or SBS-TA	SBS-AA or SBS-TA	-60.0
SC-149.	Min. 22 ga. Type B, Grade 33 steel	One or more layers, min. 0.5-inch, any combination, loose laid	Min. 1-inch GenFlex Coated Glass Facer or min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, long joints staggered 4 ft	3.1.1	1 per 1.6 ft ²	SBS-SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-67.5
SC-150.	Min. 22 ga. Type B, Grade 33 steel	One or more layers, min. 1-inch, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board, long joints staggered 4 ft	3.1.1	1 per 1.8 ft ²	SBS-SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-67.5
SC-151.	Min. 22 ga. Type B, Grade 33 steel	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex HD Composite ISO, long joints staggered 4 ft	3.1.1	1 per 1.8 ft ²	SBS-SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-75.0
SC-152.	Min. 22 ga. Type B, Grade 33 steel	One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime	3.1.1	1 per 1.3 ft ²	SBS-SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-75.0
SC-153.	Min. 22 ga. Type B, Grade 33 steel	One or more layers, min. 1-inch, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, long joints staggered 4 ft	3.1.1	1 per 1.8 ft ²	SBS-SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA, SBS-TA	-75.0



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

SYSTEM NO.	DECK (4.1.2)	INSULATION LAYER(S) (3.1.2)		BASE OR ANCHOR SHEET			ROOF COVER (3.1.4)		MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	CAP PLY	
COLD-APPLIED; ELEVATE MULTI-PURPOSE MB COLD ADHESIVE:									
SC-154.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Loose-laid	SBS Base	SFS Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8 plate	18-inch o.c. at the 3-inch side lap and 12-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) BP-CA or SBS-CA	SBS-CA	-45.0*
SC-155.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Loose-laid	MB Base, Channel Venting Base	3.1.1	12-inch o.c. at the 4-inch side lap and 12-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) BP-CA or SBS-CA	SBS-CA or APP-CA	-45.0*
SC-156.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. Attached	SBS Poly Base	GenFast AP Fastener with MB 2" Barbed Metal Lap Plate	12-inch o.c. within the 4-inch torch side lap	None	SBS-CA or APP-CA	-45.0*
SC-157.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch GenFlex ISO Insulation or ISO 300	Loose-laid	Poly Torch Base	GenFlex Heavy-Duty Plus with GenFast Coiled Bar Anchor	12-inch o.c. through the batten strips within the 3-inch torched laps spaced 36.5-inch o.c.	None	SBS-CA (polyester only) or APP-CA	-67.5
SC-158.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch GenFlex ISO Insulation or ISO 300	Loose-laid	Poly Torch Base	GenFlex Heavy-Duty Plus with GenFast Coiled Bar Anchor	6-inch o.c. through the batten strips within the 3-inch torched laps spaced 36.5-inch o.c.	None	SBS-CA (polyester only) or APP-CA	-112.5
SC-159.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch GenFlex ISO Insulation or ISO 300	Loose-laid	Poly Torch Base	GenFlex Heavy-Duty Plus with GenFast Coiled Bar Anchor	6-inch o.c. through the batten strips within the 3-inch torched laps spaced 36.5-inch o.c.	None	SBS-CA (polyester only) or APP-CA	-127.5
COLD-APPLIED; ELEVATE LIQUIGARD MEMBRANE ADHESIVE:									
SC-160.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. Attached	MB Base, Channel Venting Base, SBS Base	3.1.1	18-inch o.c. at the min. 3-inch side lap and 18-inch o.c. at one staggered row in the center of the sheet	(Optional)SBS-CA2	SBS-CA2	-45.0*



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

SYSTEM NO.	DECK (4.1.2)	INSULATION LAYER(S) (3.1.2)		BASE OR ANCHOR SHEET			ROOF COVER (3.1.4)		MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	CAP PLY	
SC-161.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Loose-laid	MB Base, Channel Venting Base, SBS Base	3.1.1	12-inch o.c. at the min. 4-inch side lap and 12-inch o.c. at two, equally spaced staggered rows in the center of the sheet	SBS-CA2	SBS-CA	-60.0
ASPHALT AND/OR TORCH APPLIED:									
SC-162.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. Attached	MB Base, Channel Venting Base	3.1.1	18-inch o.c. at the 3-inch side lap and 36-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
SC-163.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination	Prelim. Attached	Poly Torch Base	GenFast AP Fastener with MB 2" Barbed Metal Lap Plate	18-inch o.c. within the 4-inch torched side lap.	(Optional) SBS-TA	SBS-TA	-45.0*
SC-164.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination	Prelim. Attached	SBS Poly Base	GenFast #15 with GenFast Coiled Bar Anchor	18-inch o.c. through the batten strips at the 4-inch laps	One or more BP-AA, SBS-AA or SBS-TA	SBS-AA or SBS-TA	-52.5
SC-165.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. Attached	Poly Torch Base	GenFast #15 with GenFlex Batten Strip	12-inch o.c. through the batten strips within the 4-inch wide torched laps	(Optional) SBS-TA	SBS-TA (polyester only)	-67.5
SC-166.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. Attached	MB Base, Channel Venting Base or Venting Base Sheet	3.1.1	12-inch o.c. at the 4-inch side lap and 12-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA or SBS-TA	SBS-AA or SBS-TA	-82.5
SC-167.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. Attached	Poly Torch Base	GenFlex Heavy-Duty Plus with GenFast Coiled Bar Anchor	6-inch o.c. through the batten strips within the 4-inch torched laps	(Optional) SBS-TA	SBS-TA (polyester only)	-157.5



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

SYSTEM NO.	DECK (4.1.2)	INSULATION LAYER(S) (3.1.2)		BASE OR ANCHOR SHEET			ROOF COVER (3.1.4)		MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	CAP PLY	
SELF-ADHERING BASE:									
SC-168.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination	Prelim. Attached	SBS Poly Base	GenFast #15 with GenFast Coiled Bar Anchor	18-inch o.c. through the batten strips at the 4-inch laps	SBS-SA	SBS-AA or SBS-TA	-52.5

**TABLE 11A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

REFER TO [Table 8a](#) FOR VAPOR BARRIER OPTIONS

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
COLD-APPLIED BASE; ELEVATE MULTI-PURPOSE MB COLD ADHESIVE:										
C-1.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch GenFlex Coated Glass Facer	GF-ISO-BOND, I.S.O. Spray R, GF-OSIA, or Quick Dual	Optional additional layers or base insulation and/or min. 0.5-inch Tapered GenFlex Coated Glass Facer	GF-ISO-BOND, I.S.O. Spray R, GF-OSIA, or Quick Dual	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5
C-2.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch GenFlex Coated Glass Facer	GF-ISO-BOND, I.S.O. Spray R, GF-OSIA, or Quick Dual	Optional additional layers or base insulation and/or min. 0.5-inch Tapered GenFlex Coated Glass Facer	GF-ISO-BOND, I.S.O. Spray R, GF-OSIA, or Quick Dual	APP-CA	None	APP-CA	-52.5
C-3.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch GenFlex ISO Insulation	GF-ISO-BOND, I.S.O. Spray R, GF-OSIA, or Quick Dual	(Optional) Additional layers of min. 1-inch base insulation and/or min. 0.5-inch Tapered GenFlex ISO Insulation followed by min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	GF-ISO-BOND, I.S.O. Spray R, GF-OSIA, or Quick Dual	SBS-CA	(Optional) SBS-CA	SBS-CA	-60.0
C-4.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch GenFlex ISO Insulation	GF-ISO-BOND, I.S.O. Spray R, GF-OSIA, or Quick Dual	(Optional) Additional layers of min. 1-inch base insulation and/or min. 0.5-inch Tapered GenFlex ISO Insulation followed by min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	GF-ISO-BOND, I.S.O. Spray R, GF-OSIA, or Quick Dual	APP-CA	None	APP-CA	-60.0
C-5.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch GenFlex ISO Insulation	GF-ISO-BOND, I.S.O. Spray R, GF-OSIA, Quick Dual or Quick Dual Y (RIBBON-1)	(Optional) One or more layers base insulation	GF-ISO-BOND, I.S.O. Spray R, GF-OSIA, Quick Dual or Quick Dual Y (RIBBON-1)	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5



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

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
C-6.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch GenFlex ISO Insulation	GF-ISO-BOND, I.S.O. Spray R, GF-OSIA, Quick Dual or Quick Dual Y (RIBBON-1)	(Optional) One or more layers base insulation	GF-ISO-BOND, I.S.O. Spray R, GF-OSIA, Quick Dual or Quick Dual Y (RIBBON-1)	APP-CA	None	APP-CA	-67.5
C-7.	Min. 2,500 psi structural concrete	Optional ASTM D41	(Optional) One or more layers of min. 1.5-inch GenFlex ISO Insulation	GF-ISO-BOND, I.S.O. Spray R, GF-OSIA, Quick Dual	Min. 0.5-inch GenFlex HD ISO	GF-ISO-BOND, I.S.O. Spray R, GF-OSIA, Quick Dual	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5
C-8.	Min. 2,500 psi structural concrete	Optional ASTM D41	(Optional) One or more layers of min. 1.5-inch GenFlex ISO Insulation	GF-ISO-BOND, I.S.O. Spray R, GF-OSIA, Quick Dual	Min. 0.5-inch GenFlex HD ISO	GF-ISO-BOND, I.S.O. Spray R, GF-OSIA, Quick Dual	APP-CA	None	APP-CA	-67.5
C-9.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO Insulation	GF-ISO-BOND, I.S.O. Spray R, GF-OSIA, Quick Dual or Quick Dual Y (RIBBON-1)	(Optional) One or more layers base insulation	GF-ISO-BOND, I.S.O. Spray R, GF-OSIA, Quick Dual or Quick Dual Y (RIBBON-1)	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-82.5
C-10.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	GF-ISO-BOND, I.S.O. Spray R, GF-OSIA, Quick Dual	None	N/A	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-144.5
C-11.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch GenFlex Coated Glass Facer	Quick Dual Y (SPATTER)	Optional additional layers or base insulation and/or min. 0.5-inch Tapered GenFlex Coated Glass Facer	Quick Dual Y (SPATTER)	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0
C-12.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch GenFlex Coated Glass Facer	Quick Dual Y (SPATTER)	Optional additional layers or base insulation and/or min. 0.5-inch Tapered GenFlex Coated Glass Facer	Quick Dual Y (SPATTER)	APP-CA	None	APP-CA	-45.0
C-13.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (SPATTER)	(Optional) Additional layers of min. 1-inch base insulation and/or min. 0.5-inch Tapered GenFlex ISO Insulation followed by min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (SPATTER)	SBS-CA	(Optional) SBS-CA	SBS-CA	-45.0



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

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
C-14.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (SPATTER)	(Optional) Additional layers of min. 1-inch base insulation and/or min. 0.5-inch Tapered GenFlex ISO Insulation followed by min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (SPATTER)	APP-CA	None	APP-CA	-45.0
C-15.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (SPATTER)	(Optional) One or more layers base insulation	Quick Dual Y (SPATTER)	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0
C-16.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (SPATTER)	(Optional) One or more layers base insulation	Quick Dual Y (SPATTER)	APP-CA	None	APP-CA	-45.0
C-17.	Min. 2,500 psi structural concrete	Optional ASTM D41	(Optional) One or more layers of min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (SPATTER)	Min. 0.5-inch GenFlex HD ISO	Quick Dual Y (SPATTER)	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0
C-18.	Min. 2,500 psi structural concrete	Optional ASTM D41	(Optional) One or more layers of min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (SPATTER)	Min. 0.5-inch GenFlex HD ISO	Quick Dual Y (SPATTER)	APP-CA	None	APP-CA	-45.0
C-19.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (SPATTER)	(Optional) One or more layers base insulation	Quick Dual Y (SPATTER)	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0
C-20.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (SPATTER)	None	Quick Dual Y (SPATTER)	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-45.0
C-21.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch GenFlex Coated Glass Facer	Quick Dual Y (RIBBON-1)	Optional additional layers or base insulation and/or min. 0.5-inch Tapered GenFlex Coated Glass Facer	Quick Dual Y (RIBBON-1)	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5
C-22.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch GenFlex Coated Glass Facer	Quick Dual Y (RIBBON-1)	Optional additional layers or base insulation and/or min. 0.5-inch Tapered GenFlex Coated Glass Facer	Quick Dual Y (RIBBON-1)	APP-CA	None	APP-CA	-52.5



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

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
C-23.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1)	(Optional) Additional layers of min. 1-inch base insulation and/or min. 0.5-inch Tapered GenFlex ISO Insulation followed by min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-1)	SBS-CA	(Optional) SBS-CA	SBS-CA	-60.0
C-24.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1)	(Optional) Additional layers of min. 1-inch base insulation and/or min. 0.5-inch Tapered GenFlex ISO Insulation followed by min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-1)	APP-CA	None	APP-CA	-60.0
C-25.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-1)	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5
C-26.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-1)	APP-CA	None	APP-CA	-67.5
C-27.	Min. 2,500 psi structural concrete	Optional ASTM D41	(Optional) One or more layers of min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1)	Min. 0.5-inch GenFlex HD ISO	Quick Dual Y (RIBBON-1)	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5
C-28.	Min. 2,500 psi structural concrete	Optional ASTM D41	(Optional) One or more layers of min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1)	Min. 0.5-inch GenFlex HD ISO	Quick Dual Y (RIBBON-1)	APP-CA	None	APP-CA	-67.5
C-29.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-1)	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-82.5
C-30.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-1)	None	Quick Dual Y (RIBBON-1)	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-144.5



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

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
COLD-APPLIED BASE; ELEVATE LIQUIGARD MEMBRANE COLD ADHESIVE:										
C-31.	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	LiquiGard	Min. 0.25-inch DensDeck or 0.25-inch SECUROCK Gypsum Fiber Roof Board	LiquiGard	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-255.0
C-32.	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	LiquiGard	(Optional) One or more layers base insulation	LiquiGard	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-292.5
C-33.	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	LiquiGard	Min. 0.5-inch GenFlex HD ISO	LiquiGard	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-292.5
C-34.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	GF-ISO-BOND, GF-OSIA, Quick Dual	None	N/A	SBS-CA2	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-400.0
C-35.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (SPATTER)	None	N/A	SBS-CA2	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-45.0
C-36.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-1)	None	N/A	SBS-CA2	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-217.5
ASPHALT AND/OR TORCH APPLIED:										
C-37.	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch GenFlex ISO Insulation	Hot Asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Hot Asphalt	BP-AA or SBS-AA	(Optional) SBS-TA	SBS-TA	-45.0
C-38.	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch GenFlex ISO Insulation	Hot asphalt	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Hot asphalt	BP-AA or SBS-AA	(Optional) SBS-AA	SBS-AA	-120.0
C-39.	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch GenFlex ISO Insulation	Hot asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Hot asphalt	SBS-TA	(Optional) SBS-TA	SBS-TA	-127.5



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

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
C-40.	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch GenFlex ISO Insulation	Hot Asphalt	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-225.0
C-41.	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch GenFlex ISO Insulation	Hot Asphalt	Min. 0.5-inch Structodek High Density Fiberboard	Hot Asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-520.0
C-42.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch GenFlex ISO Insulation	I.S.O. Spray R, GF-OSIA	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	I.S.O. Spray R, GF-OSIA	SBS-TA	(Optional) SBS-TA	SBS-TA	-127.5
C-43.	Min. 2,500 psi structural concrete	Optional ASTM D41	Min. 1.5-inch GenFlex ISO Insulation	I.S.O. Spray R, GF-OSIA	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	I.S.O. Spray R, GF-OSIA	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-157.5
C-44.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	GF-OSIA	None	N/A	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-400.0
C-45.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	GF-OSIA	None	N/A	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-462.5
C-46.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO Insulation	GF-ISO-BOND or Quick Dual	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-ISO-BOND or Quick Dual	SBS-TA	(Optional) SBS-TA	SBS-TA	-127.5
C-47.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO Insulation	GF-ISO-BOND or Quick Dual	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	GF-ISO-BOND or Quick Dual	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-225.0



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

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
C-48.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	GF-ISO-BOND or Quick Dual	None	N/A	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-400.0
C-49.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	GF-ISO-BOND or Quick Dual	None	N/A	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-462.5
C-50.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch, min. 1.25 pcf Insulfoam	Quick Dual Y (RIBBON-2)	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-2)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-87.5
C-51.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Quick Dual Y (RIBBON-2)	SBS-TA	(Optional) SBS-TA	SBS-TA	-127.5
C-52.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch, min. 1.5 pcf Insulfoam	Quick Dual Y (RIBBON-2)	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-2)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-180.0
C-53.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-2)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-225.0
C-54.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch, min. 2.0 pcf Insulfoam	Quick Dual Y (RIBBON-2)	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-2)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-225.0
C-55.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (SPATTER)	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Quick Dual Y (SPATTER)	SBS-TA	(Optional) SBS-TA	SBS-TA	-45.0



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

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
C-56.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (SPATTER)	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (SPATTER)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-45.0
C-57.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (SPATTER)	None	N/A	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-45.0
C-58.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (SPATTER)	None	N/A	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-45.0
C-59.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1)	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Quick Dual Y (RIBBON-1)	SBS-TA	(Optional) SBS-TA	SBS-TA	-127.5
C-60.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1)	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-1)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-217.5
C-61.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-1)	None	N/A	SBS-AA, SBS-TA	(Optional) SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-217.5
C-62.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-1)	None	N/A	APP-TA	(Optional) APP-TA	APP-CA or APP-TA	-217.5
SELF-ADHERING BASE:										
C-63.	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch GenFlex ISO Insulation	Hot asphalt	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	SBS-SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-82.5



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

Table with 11 columns: SYSTEM NO., DECK (4.1.2), PRIMER, BASE INSULATION LAYER (TYPE, ATTACH (3.1.3)), TOP INSULATION LAYER (TYPE, ATTACH (3.1.3)), ROOF COVER (3.1.4) (BASE PLY, PLY, CAP PLY), and MDP (PSF). Rows C-64 through C-73 detail various construction scenarios with material specifications and load requirements.



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

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
C-74.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex Coated Glass Facer	GF-ISO-BOND or Quick Dual	Optional additional layers or base insulation and/or min. 0.5-inch Tapered GenFlex Coated Glass Facer	GF-ISO-BOND or Quick Dual	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-202.5
C-75.	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch GenFlex ISO Insulation	GF-ISO-BOND or Quick Dual	Min. 0.5-inch GenFlex HD ISO	GF-ISO-BOND or Quick Dual	SBS-SA	(Optional) SBS-AA	SBS-AA	-187.5
C-76.	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch GenFlex ISO Insulation	GF-ISO-BOND or Quick Dual	Min. 0.5-inch GenFlex HD ISO	GF-ISO-BOND or Quick Dual	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-217.5
C-77.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board primed with GenFlex SA Primer	GF-ISO-BOND or Quick Dual	None	N/A	SBS-SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA or SBS-TA	-400.0
C-78.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	Tapered GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-112.5
C-79.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	Tapered GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	SBS-SA	(Optional) SBS-AA	SBS-AA	-112.5
C-80.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-2)	SBS-SA	(Optional) SBS-AA	SBS-AA	-247.5
C-81.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-2)	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-210.0
C-82.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-1)	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0
C-83.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-1)	SBS-SA	(Optional) SBS-AA	SBS-AA	-45.0



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

SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
C-84.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex Coated Glass Facer	Quick Dual Y (RIBBON-1)	Optional additional layers or base insulation and/or min. 0.5-inch Tapered GenFlex Coated Glass Facer	Quick Dual Y (RIBBON-1)	SBS-SA	(Optional) SBS-AA	SBS-AA	-45.0
C-85.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex Coated Glass Facer	Quick Dual Y (RIBBON-1)	Optional additional layers or base insulation and/or min. 0.5-inch Tapered GenFlex Coated Glass Facer	Quick Dual Y (RIBBON-1)	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0
C-86.	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1)	Min. 0.5-inch GenFlex HD ISO	Quick Dual Y (RIBBON-1)	SBS-SA	(Optional) SBS-AA	SBS-AA	-45.0
C-87.	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1)	Min. 0.5-inch GenFlex HD ISO	Quick Dual Y (RIBBON-1)	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-45.0
C-88.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board primed with GenFlex SA Primer	Quick Dual Y (RIBBON-1)	None	N/A	SBS-SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA or SBS-TA	-45.0
C-89.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (SPATTER)	(Optional) One or more layers base insulation	Quick Dual Y (SPATTER)	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-210.0
C-90.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (SPATTER)	(Optional) One or more layers base insulation	Quick Dual Y (SPATTER)	SBS-SA	(Optional) SBS-AA	SBS-AA	-217.5
C-91.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex Coated Glass Facer	Quick Dual Y (SPATTER)	Optional additional layers or base insulation and/or min. 0.5-inch Tapered GenFlex Coated Glass Facer	Quick Dual Y (SPATTER)	SBS-SA	(Optional) SBS-AA	SBS-AA	-187.5
C-92.	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex Coated Glass Facer	Quick Dual Y (SPATTER)	Optional additional layers or base insulation and/or min. 0.5-inch Tapered GenFlex Coated Glass Facer	Quick Dual Y (SPATTER)	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-202.5
C-93.	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (SPATTER)	Min. 0.5-inch GenFlex HD ISO	Quick Dual Y (SPATTER)	SBS-SA	(Optional) SBS-AA	SBS-AA	-187.5



TABLE 11A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO Table 8a FOR VAPOR BARRIER OPTIONS										
SYSTEM NO.	DECK (4.1.2)	PRIMER	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
C-94.	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (SPATTER)	Min. 0.5-inch GenFlex HD ISO	Quick Dual Y (SPATTER)	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-217.5
C-95.	Min. 2,500 psi structural concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board primed with GenFlex SA Primer	Quick Dual Y (SPATTER)	None	N/A	SBS-SA	(Optional) BP-AA, SBS-AA, SBS-TA	SBS-AA or SBS-TA	-217.5

TABLE 11B: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER							
SYSTEM NO.	DECK (4.1.2)	PRIMER	ROOF COVER (3.1.4)			MDP (PSF)	
			BASE PLY	PLY	CAP PLY		
COLD-APPLIED BASE; ELEVATE MULTI-PURPOSE MB COLD ADHESIVE:							
C-96.	Min. 2,500 psi structural concrete	ASTM D41	BP-CA or SBS-CA	(Optional) BP-CA	SBS-CA	-67.5	
C-97.	Min. 2,500 psi structural concrete	ASTM D41	APP-CA	None	APP-CA	-127.5	
C-98.	Min. 2,500 psi structural concrete	None	SBS-CA	None	SBS-CA	-142.5	
C-99.	Min. 2,500 psi structural concrete	ASTM D41	SBS-CA (excluding SBS Smooth)	None	SBS-CA	-180.0	
C-100.	Min. 2,500 psi structural concrete	ASTM D41	SBS-CA	None	APP-CA	-225.0	
COLD-APPLIED BASE; ELEVATE LIQUIGARD MEMBRANE ADHESIVE:							
C-101.	Min. 2,500 psi structural concrete	None	BP-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-337.5	
C-102.	Min. 2,500 psi structural concrete	None	MB Base in LiquiGard or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-495.0	
ASPHALT AND/OR TORCH APPLIED BASE:							
C-103.	Min. 2,500 psi structural concrete	ASTM D41	APP-TA	(Optional) APP-TA	APP-TA	-312.5	
C-104.	Min. 2,500 psi structural concrete	ASTM D41	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	APP-TA	-522.5	
C-105.	Min. 2,500 psi structural concrete	ASTM D41	BP-AA or SBS-AA	(Optional) One or more BP-AA or SBS-AA	SBS-AA	-547.5	
SELF-ADHERING BASE:							
C-106.	Min. 2,500 psi structural concrete	ASTM D41	SBS-SA	(Optional) SBS-AA	SBS-AA	-202.5	
C-107.	Min. 2,500 psi structural concrete	ASTM D41	SBS-SA	(Optional) SBS-TA	SBS-TA	-232.5	



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSE)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
COLD-APPLIED BASE; ELEVATE MULTI-PURPOSE MB COLD ADHESIVE:										
CELCORE:										
LWC-1.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-ISO-BOND or Quick Dual	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-ISO-BOND or Quick Dual	BP-CA, SBS-CA or APP-CA	None	APP-CA	-37.5 (NO FBC HVHZ)
LWC-2.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-ISO-BOND or Quick Dual	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-ISO-BOND or Quick Dual	SBS-CA	(Optional) SBS-CA	SBS-CA	-37.5 (NO FBC HVHZ)
LWC-3.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex Coated Glass Facer	GF-ISO-BOND or Quick Dual	(Optional) One or more layers, min. 0.5-inch base insulation	GF-ISO-BOND or Quick Dual	BP-CA, SBS-CA or APP-CA	None	APP-CA	-52.5
LWC-4.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex Coated Glass Facer	GF-ISO-BOND or Quick Dual	(Optional) One or more layers, min. 0.5-inch base insulation	GF-ISO-BOND or Quick Dual	SBS-CA	(Optional) SBS-CA	SBS-CA	-52.5
LWC-5.	Min. 2,500 psi structural concrete	Min. 200 psi Celcore Cellular Concrete	Min. 1.5-inch GenFlex ISO Insulation	GF-ISO-BOND or Quick Dual	(Optional) One or more layers base insulation	GF-ISO-BOND or Quick Dual	BP-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5
LWC-6.	Min. 2,500 psi structural concrete	Min. 200 psi Celcore Cellular Concrete	Min. 1.5-inch GenFlex ISO Insulation	GF-ISO-BOND or Quick Dual	(Optional) One or more layers base insulation	GF-ISO-BOND or Quick Dual	APP-CA	None	APP-CA	-67.5
LWC-7.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch GenFlex ISO Insulation	GF-ISO-BOND or Quick Dual	(Optional) One or more layers, min. 0.5-inch base insulation	GF-ISO-BOND or Quick Dual	BP-CA, SBS-CA or APP-CA	None	APP-CA	-67.5



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSE)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
LWC-8.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-ISO-BOND or Quick Dual	Min. 2-inch GenFlex HD Composite ISO	GF-ISO-BOND or Quick Dual	BP-CA, SBS-CA or APP-CA	None	APP-CA	-67.5
LWC-9.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-ISO-BOND or Quick Dual	Min. 2-inch GenFlex HD Composite ISO	GF-ISO-BOND or Quick Dual	SBS-CA	(Optional) SBS-CA	SBS-CA	-67.5
LWC-10.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-ISO-BOND or Quick Dual	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch GenFlex HD ISO	GF-ISO-BOND or Quick Dual	BP-CA, SBS-CA or APP-CA	None	APP-CA	-67.5
LWC-11.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-ISO-BOND or Quick Dual	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch GenFlex HD ISO	GF-ISO-BOND or Quick Dual	SBS-CA	(Optional) SBS-CA	SBS-CA	-67.5
LWC-12.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch GenFlex ISO Insulation	GF-ISO-BOND or Quick Dual	(Optional) One or more layers, min. 0.5-inch base insulation	GF-ISO-BOND or Quick Dual	SBS-CA	(Optional) SBS-CA	SBS-CA	-82.5
LWC-13.	Min. 2,500 psi structural concrete	Min. 200 psi Celcore Cellular Concrete	Min. 1.5-inch GenFlex ISO Insulation	GF-ISO-BOND or Quick Dual	(Optional) One or more layers base insulation	GF-ISO-BOND or Quick Dual	SBS-CA	None	SBS-CA	-82.5
LWC-14.	Min. 2,500 psi structural concrete	Min. 277 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	GF-ISO-BOND or Quick Dual	None	N/A	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-106.0



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSE)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
LWC-15.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-OSIA	BP-CA, SBS-CA or APP-CA	None	APP-CA	-37.5 (NO FBC HVHZ)
LWC-16.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-OSIA	SBS-CA	(Optional) SBS-CA	SBS-CA	-37.5 (NO FBC HVHZ)
LWC-17.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch GenFlex Coated Glass Facer	GF-OSIA	(Optional) One or more layers, min. 0.5-inch base insulation	GF-OSIA	BP-CA, SBS-CA or APP-CA	None	APP-CA	-52.5
LWC-18.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch GenFlex ISO Insulation	GF-OSIA	(Optional) One or more layers, min. 0.5-inch base insulation	GF-OSIA	SBS-CA	(Optional) SBS-CA	SBS-CA	-52.5
LWC-19.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch GenFlex ISO Insulation	GF-OSIA	(Optional) One or more layers, min. 0.5-inch base insulation	GF-OSIA	BP-CA, SBS-CA or APP-CA	None	APP-CA	-67.5
LWC-20.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Min. 2-inch GenFlex HD Composite ISO	GF-OSIA	BP-CA, SBS-CA or APP-CA	None	APP-CA	-67.5
LWC-21.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Min. 2-inch GenFlex HD Composite ISO	GF-OSIA	SBS-CA	(Optional) SBS-CA	SBS-CA	-67.5



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSE)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
LWC-22.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch GenFlex HD ISO	GF-OSIA	BP-CA, SBS-CA or APP-CA	None	APP-CA	-67.5
LWC-23.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch GenFlex HD ISO	GF-OSIA	SBS-CA	(Optional) SBS-CA	SBS-CA	-67.5
LWC-24.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch GenFlex ISO Insulation	GF-OSIA	(Optional) One or more layers, min. 0.5-inch base insulation	GF-OSIA	SBS-CA	(Optional) SBS-CA	SBS-CA	-82.5
LWC-25.	Min. 2,500 psi structural concrete	Min. 277 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	GF-OSIA	None	N/A	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-106.0
LWC-26.	Min. 2,500 psi structural concrete	Min. 200 psi Celcore Cellular Concrete	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-2)	BP-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5
LWC-27.	Min. 2,500 psi structural concrete	Min. 200 psi Celcore Cellular Concrete	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-2)	APP-CA	None	APP-CA	-67.5
LWC-28.	Min. 2,500 psi structural concrete	Min. 200 psi Celcore Cellular Concrete	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-2)	SBS-CA	None	SBS-CA	-82.5
LWC-29.	Min. 2,500 psi structural concrete	Min. 277 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-2)	None	N/A	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-106.0



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSE)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
ELASTIZELL:										
LWC-30.	Min. 2,500 psi structural concrete	Min. 160 psi Elastizell	Min. 1.5-inch GenFlex ISO Insulation	GF-ISO-BOND or Quick Dual	(Optional) One or more layers base insulation	GF-ISO-BOND or Quick Dual	BP-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5
LWC-31.	Min. 2,500 psi structural concrete	Min. 160 psi Elastizell Lightweight Insulating Concrete	Min. 1.5-inch GenFlex ISO Insulation	GF-ISO-BOND or Quick Dual	(Optional) One or more layers base insulation	GF-ISO-BOND or Quick Dual	APP-CA	None	APP-CA	-67.5
LWC-32.	Min. 2,500 psi structural concrete	Min. 160 psi Elastizell Lightweight Insulating Concrete	Min. 1.5-inch GenFlex ISO Insulation	GF-ISO-BOND or Quick Dual	(Optional) One or more layers base insulation	GF-ISO-BOND or Quick Dual	SBS-CA	None	SBS-CA	-82.5
LWC-33.	Min. 2,500 psi structural concrete	Min. 415 psi Elastizell Lightweight Insulating Concrete with Zell-Crete Fibers	Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	GF-ISO-BOND or Quick Dual	None	N/A	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-144.5
LWC-34.	Min. 2,500 psi structural concrete	Min. 200 psi Elastizell Lightweight Insulating Concrete	Min. 1.5-inch GenFlex GL ISO Insulation	Quick Dual Y (RIBBON-2)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-2)	BP-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5
LWC-35.	Min. 2,500 psi structural concrete	Min. 200 psi Elastizell Lightweight Insulating Concrete	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-2)	APP-CA	None	APP-CA	-67.5
LWC-36.	Min. 2,500 psi structural concrete	Min. 200 psi Elastizell Lightweight Insulating Concrete	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-2)	SBS-CA	None	SBS-CA	-82.5
LWC-37.	Min. 2,500 psi structural concrete	Min. 415 psi Elastizell Lightweight Insulating Concrete with Zell-Crete Fibers	Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-2)	None	N/A	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-144.5
MEARLCRETE:										
LWC-38.	Min. 2,500 psi structural concrete	Min. 200 psi Mearlcrete	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-2)	BP-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSE)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
LWC-39.	Min. 2,500 psi structural concrete	Min. 200 psi Mearlcrete	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-2)	APP-CA	None	APP-CA	-67.5
LWC-40.	Min. 2,500 psi structural concrete	Min. 200 psi Mearlcrete	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-2)	SBS-CA	None	SBS-CA	-82.5
PRE-EXISTENT CELLULAR CONCRETE (3.1.2):										
LWC-41.	Min. 2,500 psi structural concrete	Pre-existent Minimum 200 psi, minimum 2-inch thick Approved cellular LWIC. <i>Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 40 lbf when tested per 4.2.2.</i>	Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	GF-ISO-BOND, GF-OSIA, Quick Dual or Quick Dual Y (RIBBON-2)	None	N/A	SBS-CA	(Optional) SBS-CA, SBS-CA2, SBS-AA, SBS-TA	SBS-CA, SBS-CA2, SBS-AA or SBS-TA	-76.5
COLD-APPLIED BASE; ELEVATE LIQUIGARD MEMBRANE ADHESIVE:										
CELCORE:										
LWC-42.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch GenFlex ISO Insulation	GF-ISO-BOND or Quick Dual	(Optional) One or more layers, min. 0.5-inch base insulation	GF-ISO-BOND or Quick Dual	BP-CA2, SBS-CA2	(Optional) BP-CA2, SBS-CA2	SBS-CA2	-187.5
LWC-43.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex Coated Glass Facer	GF-ISO-BOND or Quick Dual	(Optional) One or more layers, min. 0.5-inch base insulation	GF-ISO-BOND or Quick Dual	BP-CA2, SBS-CA2	(Optional) BP-CA2, SBS-CA2	SBS-CA2	-187.5
LWC-44.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-ISO-BOND or Quick Dual	Min. 2-inch GenFlex HD Composite ISO	GF-ISO-BOND or Quick Dual	BP-CA2, SBS-CA2	(Optional) BP-CA2, SBS-CA2	SBS-CA2	-187.5



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSE)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
LWC-45.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-ISO-BOND or Quick Dual	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch GenFlex HD ISO	GF-ISO-BOND or Quick Dual	BP-CA2, SBS-CA2	(Optional) BP-CA2, SBS-CA2	SBS-CA2	-187.5
LWC-46.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-ISO-BOND or Quick Dual	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-ISO-BOND or Quick Dual	BP-CA2, SBS-CA2	(Optional) BP-CA2, SBS-CA2	SBS-CA2	-187.5
LWC-47.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	(Optional) One or more layers, min. 0.5-inch base insulation	GF-OSIA	BP-CA2, SBS-CA2	(Optional) BP-CA2, SBS-CA2	SBS-CA2	-217.5
LWC-48.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Min. 2-inch GenFlex HD Composite ISO	GF-OSIA	BP-CA2, SBS-CA2	(Optional) BP-CA2, SBS-CA2	SBS-CA2	-217.5
LWC-49.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch GenFlex HD ISO	GF-OSIA	BP-CA2, SBS-CA2	(Optional) BP-CA2, SBS-CA2	SBS-CA2	-217.5
LWC-50.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-OSIA	BP-CA2, SBS-CA2	(Optional) BP-CA2, SBS-CA2	SBS-CA2	-217.5



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSE)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
ASPHALT AND/OR TORCH APPLIED BASE:										
CELSCORE:										
LWC-51.	Min. 2,500 psi structural concrete	Min. 277 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board	GF-ISO-BOND or Quick Dual	None	N/A	BP-AA, SBS-AA, SBS-TA, APP-TA	(Optional) BP-AA, SBS-AA, SBS-TA, APP-TA	SBS-AA, SBS-TA, APP-TA	-106.0
LWC-52.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-ISO-BOND or Quick Dual	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-ISO-BOND or Quick Dual	SBS-TA	None	SBS-TA	-127.5
LWC-53.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-ISO-BOND or Quick Dual	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-ISO-BOND or Quick Dual	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA	SBS-AA	-157.5
LWC-54.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-ISO-BOND or Quick Dual	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-ISO-BOND or Quick Dual	APP-TA	None	APP-TA	-187.5
LWC-55.	Min. 2,500 psi structural concrete	Min. 277 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board	GF-OSIA	None	N/A	BP-AA, SBS-AA, SBS-TA, APP-TA	(Optional) BP-AA, SBS-AA, SBS-TA, APP-TA	SBS-AA, SBS-TA, APP-TA	-106.0
LWC-56.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-OSIA	SBS-TA	None	SBS-TA	-127.5



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSE)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
LWC-57.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-OSIA	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA	SBS-AA	-157.5
LWC-58.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-OSIA	APP-TA	None	APP-TA	-217.5
LWC-59.	Min. 2,500 psi structural concrete	Min. 277 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-2)	None	N/A	BP-AA, SBS-AA, SBS-TA, APP-TA	(Optional) BP-AA, SBS-AA, SBS-TA, APP-TA	SBS-AA, SBS-TA, APP-TA	-106.0
ELASTIZELL:										
LWC-60.	Min. 2,500 psi structural concrete	Min. 415 psi Elastizell Lightweight Insulating Concrete with Zell-Crete Fibers	Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board	GF-ISO-BOND or Quick Dual	None	N/A	BP-AA, SBS-AA, SBS-TA, APP-TA	(Optional) BP-AA, SBS-AA, SBS-TA, APP-TA	SBS-AA, SBS-TA, APP-TA	-144.5
LWC-61.	Min. 2,500 psi structural concrete	Min. 415 psi Elastizell Lightweight Insulating Concrete with Zell-Crete Fibers	Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-2)	None	N/A	BP-AA, SBS-AA, SBS-TA, APP-TA	(Optional) BP-AA, SBS-AA, SBS-TA, APP-TA	SBS-AA, SBS-TA, APP-TA	-144.5
PRE-EXISTENT CELLULAR CONCRETE (3.1.2):										
LWC-62.	Min. 2,500 psi structural concrete	Pre-existent Minimum 200 psi, minimum 2-inch thick Approved cellular LWIC. <i>Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 40 lbf when tested per 4.2.2.</i>	Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board	GF-ISO-BOND, GF-OSIA, Quick Dual or Quick Dual Y (RIBBON-2)	None	N/A	BP-AA, SBS-AA, SBS-TA, APP-TA	(Optional) BP-AA, SBS-AA, SBS-TA, APP-TA	SBS-AA, SBS-TA, APP-TA	-76.5



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSE)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
SELF-ADHERING BASE:										
CELSCORE:										
LWC-63.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-ISO-BOND or Quick Dual	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-ISO-BOND or Quick Dual	SBS-SA	(Optional) APP-TA	APP-TA	-45.0
LWC-64.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-ISO-BOND or Quick Dual	None	N/A	SBS-SA	(Optional) SBS-AA	SBS-AA	-82.5
LWC-65.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-ISO-BOND or Quick Dual	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-ISO-BOND or Quick Dual	SBS-SA	(Optional) SBS-TA	SBS-TA	-82.5
LWC-66.	Min. 2,500 psi structural concrete	Min. 277 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	GF-ISO-BOND or Quick Dual	None	N/A	SBS-SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-106.0
LWC-67.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch GenFlex ISO Insulation	GF-ISO-BOND or Quick Dual	(Optional) One or more layers, min. 0.5-inch base insulation	GF-ISO-BOND or Quick Dual	SBS-SA	(Optional) APP-TA	APP-TA	-112.5
LWC-68.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.5-inch GenFlex HD ISO	GF-ISO-BOND or Quick Dual	None	N/A	SBS-SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-172.5



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSE)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
LWC-69.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-ISO-BOND or Quick Dual	None	N/A	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-177.5
LWC-70.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch GenFlex ISO Insulation or min. 1.5-inch GenFlex Coated Glass Facer	GF-ISO-BOND or Quick Dual	(Optional) One or more layers, min. 0.5-inch base insulation	GF-ISO-BOND or Quick Dual	SBS-SA	(Optional) SBS-TA	SBS-TA	-187.5
LWC-71.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch GenFlex ISO Insulation or min. 1.5-inch GenFlex Coated Glass Facer	GF-ISO-BOND or Quick Dual	(Optional) One or more layers, min. 0.5-inch base insulation	GF-ISO-BOND or Quick Dual	SBS-SA	(Optional) SBS-AA	SBS-AA	-187.5
LWC-72.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex Coated Glass Facer	GF-ISO-BOND or Quick Dual	(Optional) One or more layers, min. 0.5-inch base insulation	GF-ISO-BOND or Quick Dual	SBS-SA	(Optional) APP-TA	APP-TA	-187.5
LWC-73.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-ISO-BOND or Quick Dual	Min. 2-inch GenFlex HD Composite ISO	GF-ISO-BOND or Quick Dual	SBS-SA	(Optional) APP-TA	APP-TA	-187.5
LWC-74.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-ISO-BOND or Quick Dual	Min. 2-inch GenFlex HD Composite ISO	GF-ISO-BOND or Quick Dual	SBS-SA	(Optional) SBS-TA	SBS-TA	-187.5
LWC-75.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-ISO-BOND or Quick Dual	Min. 2-inch GenFlex HD Composite ISO	GF-ISO-BOND or Quick Dual	SBS-SA	(Optional) SBS-AA	SBS-AA	-187.5



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSE)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
LWC-76.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-ISO-BOND or Quick Dual	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch GenFlex HD ISO	GF-ISO-BOND or Quick Dual	SBS-SA	(Optional) APP-TA	APP-TA	-187.5
LWC-77.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-ISO-BOND or Quick Dual	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch GenFlex HD ISO	GF-ISO-BOND or Quick Dual	SBS-SA	(Optional) SBS-TA	SBS-TA	-187.5
LWC-78.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-ISO-BOND or Quick Dual	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch GenFlex HD ISO	GF-ISO-BOND or Quick Dual	SBS-SA	(Optional) SBS-AA	SBS-AA	-187.5
LWC-79.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-ISO-BOND or Quick Dual	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-ISO-BOND or Quick Dual	SBS-SA	(Optional) SBS-AA	SBS-AA	-187.5
LWC-80.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-OSIA	SBS-SA	(Optional) APP-TA	APP-TA	-45.0
LWC-81.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-OSIA	SBS-SA	(Optional) SBS-TA	SBS-TA	-82.5
LWC-82.	Min. 2,500 psi structural concrete	Min. 277 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	GF-OSIA	None	N/A	SBS-SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-106.0



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSE)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
LWC-83.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch GenFlex ISO Insulation	GF-OSIA	(Optional) One or more layers, min. 0.5-inch base insulation	GF-OSIA	SBS-SA	(Optional) APP-TA	APP-TA	-112.5
LWC-84.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch GenFlex Coated Glass Facer	GF-OSIA	(Optional) One or more layers, min. 0.5-inch base insulation	GF-OSIA	SBS-SA	(Optional) SBS-AA	SBS-AA	-187.5
LWC-85.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch GenFlex Coated Glass Facer	GF-OSIA	(Optional) One or more layers, min. 0.5-inch base insulation	GF-OSIA	SBS-SA	(Optional) APP-TA	APP-TA	-187.5
LWC-86.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch GenFlex Coated Glass Facer	GF-OSIA	(Optional) One or more layers, min. 0.5-inch base insulation	GF-OSIA	SBS-SA	(Optional) APP-TA	APP-TA	-187.5
LWC-87.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Min. 2-inch GenFlex HD Composite ISO	GF-OSIA	SBS-SA	(Optional) SBS-AA	SBS-AA	-187.5
LWC-88.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch GenFlex HD ISO	GF-OSIA	SBS-SA	(Optional) SBS-AA	SBS-AA	-187.5
LWC-89.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-OSIA	SBS-SA	(Optional) SBS-AA	SBS-AA	-187.5



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSE)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
LWC-90.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch GenFlex Coated Glass Facer	GF-OSIA	(Optional) One or more layers, min. 0.5-inch base insulation	GF-OSIA	SBS-SA	(Optional) SBS-TA	SBS-TA	-202.5
LWC-91.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch GenFlex ISO Insulation	GF-OSIA	(Optional) One or more layers, min. 0.5-inch base insulation	GF-OSIA	SBS-SA	(Optional) SBS-TA	SBS-TA	-210.0
LWC-92.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1-inch GenFlex ISO Insulation	GF-OSIA	(Optional) One or more layers, min. 0.5-inch base insulation	GF-OSIA	SBS-SA	(Optional) SBS-AA	SBS-AA	-217.5
LWC-93.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Min. 2-inch GenFlex HD Composite ISO	GF-OSIA	SBS-SA	(Optional) SBS-TA	SBS-TA	-217.5
LWC-94.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	(Optional) Min. 0.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Min. 2-inch GenFlex HD Composite ISO	GF-OSIA	SBS-SA	(Optional) APP-TA	APP-TA	-217.5
LWC-95.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch GenFlex HD ISO	GF-OSIA	SBS-SA	(Optional) SBS-TA	SBS-TA	-217.5
LWC-96.	Min. 2,500 psi structural concrete	Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 1.5-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Optional one or more layers, min. 0.5-inch base insulation; Min. 0.5-inch GenFlex HD ISO	GF-OSIA	SBS-SA	(Optional) APP-TA	APP-TA	-217.5



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FL48090



ISO/IEC 17065 PCA-145

**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
LWC-97.	Min. 2,500 psi structural concrete	Min. 200 psi Celcore Cellular Concrete	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-2)	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-210.0
LWC-98.	Min. 2,500 psi structural concrete	Min. 200 psi Celcore Cellular Concrete	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-2)	SBS-SA	(Optional) SBS-AA	SBS-AA	-222.5
LWC-99.	Min. 2,500 psi structural concrete	Min. 277 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore PVA Curing Compound	Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-2)	None	N/A	SBS-SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-106.0
ELASTIZELL:										
LWC-100.	Min. 2,500 psi structural concrete	Min. 160 psi Elastizell Lightweight Insulating Concrete	Min. 1.5-inch GenFlex ISO Insulation	GF-ISO-BOND or Quick Dual	(Optional) One or more layers base insulation	GF-ISO-BOND or Quick Dual	SBS-SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-90.0
LWC-101.	Min. 2,500 psi structural concrete	Min. 415 psi Elastizell Lightweight Insulating Concrete with Zell-Crete Fibers	Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	GF-ISO-BOND or Quick Dual	None	N/A	SBS-SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-144.5
LWC-102.	Min. 2,500 psi structural concrete	Min. 200 psi Elastizell Lightweight Insulating Concrete	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-2)	SBS-SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-90.0
LWC-103.	Min. 2,500 psi structural concrete	Min. 200 psi Elastizell Lightweight Insulating Concrete	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-2)	SBS-SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-180.0
LWC-104.	Min. 2,500 psi structural concrete	Min. 415 psi Elastizell Lightweight Insulating Concrete with Zell-Crete Fibers	Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-2)	None	N/A	SBS-SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-144.5
MEARLCRETE:										
LWC-105.	Min. 2,500 psi structural concrete	Min. 200 psi Mearlcrete	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-2)	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-210.0



**TABLE 12A: DECK WITH LIGHTWEIGHT INSULATING CONCRETE - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	BASE INSULATION LAYER		COVERBOARD		ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
LWC-106.	Min. 2,500 psi structural concrete	Min. 200 psi Mearlcrete	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-2)	SBS-SA	(Optional) SBS-AA	SBS-AA	-240.0
PRE-EXISTENT CELLULAR CONCRETE (3.1.2):										
LWC-107.	Min. 2,500 psi structural concrete	Pre-existent Minimum 200 psi, minimum 2-inch thick Approved cellular LWIC. <i>Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 40 lbf when tested per 4.2.2.</i>	Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	GF-ISO-BOND, GF-OSIA, Quick Dual or Quick Dual Y (RIBBON-1)	None	N/A	SBS-SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-76.5

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

SYSTEM No.	DECK (4.1.2)	LIGHTWEIGHT CONCRETE (3.1.2)	ANCHOR SHEET			INSULATION			ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH	BASE	TOP	ATTACH (NOTES 6, 7, 8)	BASE PLY	PLY	CAP PLY	
LWC-108.	Min. 22 ga., type BV steel or min. 2,500 psi structural concrete	Pre-existent Minimum 200 psi, minimum 2-inch thick Approved cellular LWIC. <i>Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 52 lbf when tested per 4.2.2.</i>	MB Base, Venting Base Sheet, SBS Base, SBS Smooth	Min. 1.8-inch Two Piece Impact Nail or 1.7 in. Assembled LWC Base Ply Fastener	7-inch o.c. at the 4-inch side lap and 7-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	(Optional) Optional additional layers base insulation, flat or tapered; Min. 0.5-inch GenFlex HD ISO or Min. 0.25-inch DensDeck Prime	GF-ISO-BOND, GF-OSIA, Quick Dual	BP-CA, SBS-CA, APP-CA	None	SBS-CA, APP-CA	-45.0*
LWC-109.	Min. 22 ga., type BV steel at 5 ft spans or structural concrete	Pre-existent Minimum 200 psi, minimum 2-inch thick Approved cellular LWIC. <i>Note: To qualify the LWIC under this assembly, the subject fastener shall achieve an average withdrawal of 52 lbf when tested per Testing Application Standard TAS 105.</i>	MB Base, Venting Base Sheet, SBS Base, SBS Smooth	Min. 1.8-inch Two Piece Impact Nail or 1.7 in. Assembled LWC Base Ply Fastener	7-inch o.c. at the 4-inch side lap and 7-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 1-inch GenFlex ISO Insulation, GenFlex Coated Glass Facer	(Optional) Optional additional layers base insulation, flat or tapered; Min. 0.25-inch DensDeck Prime	GF-ISO-BOND, GF-OSIA, Quick Dual	SBS-SA	None	SBS-AA, SBS-TA, APP-TA	-45.0*



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

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



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

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



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

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



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

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



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

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



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

SYSTEM No.	DECK (4.1.2)	THERMAL BARRIER		TEMP ROOF	LIGHTWEIGHT CONCRETE (3.1.2)	ANCHOR SHEET			ROOF COVER (3.1.4)		MDP (PSF)
		TYPE	ATTACH (4.2.2, 3.1.2)			BASE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	CAP PLY	
LWC-138.	Min. 22 ga., type B steel; 6 ft span	Min. 5/8-inch SECUROCK Gypsum-Fiber Roof Board	Fastener per 3.1.1 at 1 per 1.6 ft ²	MB Base, SBS Base, SBS Smooth or in hot asphalt or SBS Smooth or APP 160, torch-applied	Min. 300 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	MB Base, Channel Venting Base, SBS Base, Poly Torch Base, SBS Smooth	1.7 in. Assembled LWC Base Ply Fastener	7-inch o.c. at the min. 3-inch side lap and 7-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-60.0
LWC-139.	Min. 22 ga., type B steel; 6 ft span	Min. 5/8-inch SECUROCK Gypsum-Fiber Roof Board	Fastener per 3.1.1 at 1 per 1.6 ft ²	MB Base, SBS Base, SBS Smooth or in hot asphalt or SBS Smooth or APP 160, torch-applied	Min. 300 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	MB Base, Channel Venting Base, APP 160	1.7 in. Assembled LWC Base Ply Fastener	7-inch o.c. at the min. 3-inch side lap and 7-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	(Optional) APP-TA	APP-TA	-60.0

**TABLE 13A: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
CFW-1.	Existing Tectum	Min. 0.5-inch GenFlex HD ISO or min. 1-inch GenFlex ISO Insulation	GF-OSIA	(Optional) Min. 0.5-inch GenFlex HD ISO or min. 1-inch GenFlex ISO Insulation	GF-OSIA	SBS-SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*

**TABLE 13B: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	ANCHOR SHEET			INSULATION			ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.3)	BASE	TOP	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
CFW-2.	Existing Tectum	MB Base, Channel Venting Base, SBS Base, SBS Smooth	Min. 1.8-inch Two Piece Impact Nail	9-inch o.c. at the 2-inch laps and 18-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 1.5-inch GenFlex ISO Insulation	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	GF-ISO-BOND or Quick Dual	BP-AA, SBS-AA, SBS-TA or APP-TA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*



**TABLE 13b: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER**

SYSTEM NO.	DECK (4.1.2)	ANCHOR SHEET			INSULATION			ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.3)	BASE	TOP	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
CFW-3.	Existing Tectum	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS Smooth	Min. 1.8-inch Two Piece Impact Nail	12-inch o.c. at the 2-inch laps and 18-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 0.5-inch GenFlex HD ISO or min. 1-inch GenFlex ISO Insulation	(Optional) Min. 0.5-inch GenFlex HD ISO or min. 1-inch GenFlex ISO Insulation	GF-ISO-BOND, Quick Dual or GF-OSIA	SBS-SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*

**TABLE 13c: CEMENTITIOUS WOOD FIBER DECKS – REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER (3.1.2)	TOP INSULATION LAYER			ROOF COVER (3.1.4)			MDP (PSF)
			TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
CFW-4.	Existing Tectum	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch GenFlex HD ISO or min. 1-inch GenFlex ISO Insulation	Polymer Fastener and Polymer Fastener Insulation Plate	1 per 2.1 ft ²	SBS-SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*

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

SYSTEM NO.	DECK (4.1.2)	INSULATION LAYER(S) (3.1.2)		BASE OR ANCHOR SHEET			ROOF COVER (3.1.4)		MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	CAP PLY	
CFW-5.	Existing Tectum	One or more layers, any combination	Prelim. Attached	MB Base, Channel Venting Base	Polymer Fastener and Polymer Fastener Insulation Plate	12-inch o.c. in the 4-inch side lap and 18-inch o.c. in two staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*

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

SYSTEM NO.	DECK (4.1.2)	ANCHOR SHEET			ROOF COVER (3.1.4)		MDP (PSF)
		TYPE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	CAP PLY	
CFW-6.	Existing Tectum	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS Smooth	Min. 1.8-inch Two Piece Impact Nail	9-inch o.c. in the 2-inch side lap and 12-inch o.c. in two, equally spaced, staggered rows in the center of the sheet	SBS-CA	SBS-CA	-45.0*



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

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

**TABLE 14A: GYPSUM DECKS – REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

SYSTEM No.	DECK (4.1.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSE)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
COLD-APPLIED BASE; ELEVATE MULTI-PURPOSE MB COLD ADHESIVE:									
G-1.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	GF-ISO-BOND, GF-OSIA, Quick Dual, Quick Dual Y (RIBBON-1)	(Optional) One or more layers base insulation	GF-ISO-BOND, GF-OSIA, Quick Dual, Quick Dual Y (RIBBON-1)	BP-CA	(Optional) BP-CA, SBS-CA	SBS-CA or APP-CA	-67.5
G-2.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	GF-ISO-BOND, GF-OSIA, Quick Dual, Quick Dual Y (RIBBON-1)	(Optional) One or more layers base insulation	GF-ISO-BOND, GF-OSIA, Quick Dual, Quick Dual Y (RIBBON-1)	APP-CA	None	APP-CA	-67.5
G-3.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	GF-ISO-BOND, GF-OSIA, Quick Dual, Quick Dual Y (RIBBON-1)	(Optional) One or more layers base insulation	GF-ISO-BOND, GF-OSIA, Quick Dual, Quick Dual Y (RIBBON-1)	SBS-CA	None	SBS-CA	-82.5
G-4.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (SPATTER)	(Optional) One or more layers base insulation	Quick Dual Y (SPATTER)	BP-CA	(Optional) BP-CA, SBS-CA	SBS-CA or APP-CA	-45.0
G-5.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (SPATTER)	(Optional) One or more layers base insulation	Quick Dual Y (SPATTER)	APP-CA	None	APP-CA	-45.0
G-6.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (SPATTER)	(Optional) One or more layers base insulation	Quick Dual Y (SPATTER)	SBS-CA	None	SBS-CA	-45.0
G-7.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-1)	BP-CA	(Optional) BP-CA, SBS-CA	SBS-CA or APP-CA	-67.5



**TABLE 14A: GYPSUM DECKS – REROOF (TEAR-OFF)
 SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSE)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
G-8.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-1)	APP-CA	None	APP-CA	-67.5
G-9.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-1)	SBS-CA	None	SBS-CA	-82.5
ASPHALT AND/OR TORCH APPLIED BASE:									
G-10.	Existing gypsum deck primed with WeatherTite Universal Primer	Min. 1.5-inch GenFlex ISO Insulation	GF-OSIA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-OSIA	SBS-TA	(Optional) SBS-TA	SBS-TA	-45.0 (NO FBC HVHZ)
G-11.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	GF-OSIA	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	GF-OSIA	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-157.5
G-12.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	GF-ISO-BOND or Quick Dual	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-ISO-BOND or Quick Dual	SBS-TA	None	SBS-TA	-127.5
G-13.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	GF-ISO-BOND or Quick Dual	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	GF-ISO-BOND or Quick Dual	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-135.0
G-14.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Quick Dual Y (RIBBON-2)	SBS-TA	None	SBS-TA	-127.5
G-15.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-2)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-225.0
G-16.	Existing gypsum deck	Min. 1.5-inch, min. 1.25 pcf Insulfoam	Quick Dual Y (RIBBON-2)	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-2)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-87.5
G-17.	Existing gypsum deck	Min. 1.5-inch, min. 1.5 pcf Insulfoam	Quick Dual Y (RIBBON-2)	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-2)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-180.0



TABLE 14A: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSE)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
G-18.	Existing gypsum deck	Min. 1.5-inch, min. 2.0 pcf Insulfoam	Quick Dual Y (RIBBON-2)	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-2)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-225.0
G-19.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (SPATTER)	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Quick Dual Y (SPATTER)	SBS-TA	None	SBS-TA	-45.0
G-20.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (SPATTER)	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (SPATTER)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-45.0
G-21.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1)	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Quick Dual Y (RIBBON-1)	SBS-TA	None	SBS-TA	-127.5
G-22.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1)	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-1)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-135.0
SELF-ADHERING BASE:									
G-23.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	GF-OSIA	Tapered GenFlex ISO Insulation	GF-OSIA	SBS-SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-112.5
G-24.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	GF-OSIA	(Optional) One or more layers base insulation	GF-OSIA	SBS-SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-157.5
G-25.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	GF-ISO-BOND or Quick Dual	Tapered GenFlex ISO Insulation	GF-ISO-BOND or Quick Dual	SBS-SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-112.5
G-26.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	GF-ISO-BOND or Quick Dual	(Optional) One or more layers base insulation	GF-ISO-BOND or Quick Dual	SBS-SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-135.0
G-27.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	Tapered GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	SBS-SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-112.5



**TABLE 14A: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSE)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
G-28.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-2)	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-210.0
G-29.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-2)	SBS-SA	(Optional) SBS-AA	SBS-AA	-247.5
G-30.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (SPATTER)	Tapered GenFlex ISO Insulation	Quick Dual Y (SPATTER)	SBS-SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0
G-31.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (SPATTER)	(Optional) One or more layers base insulation	Quick Dual Y (SPATTER)	SBS-SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0
G-32.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1)	Tapered GenFlex ISO Insulation	Quick Dual Y (RIBBON-1)	SBS-SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-112.5
G-33.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-1)	SBS-SA	(Optional) SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-135.0

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

SYSTEM NO.	DECK (4.1.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSE)	
		TYPE	FASTENER (3.1.1, 4.2.2)	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY		CAP PLY
CONVENTIONAL SYSTEMS:										
G-34.	Existing gypsum deck	Min. 1.5-inch GenFlex ISO Insulation	Polymer Fastener and Polymer Fastener Insulation Plate (W/D ≥ 180 lbf)	1 per 2.0 ft ²	Min. 0.25-inch DensDeck or SECUROCK Gypsum Fiber Roof Board	Hot asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*



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

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

TABLE 14D: GYPSUM DECKS – REROOF (TEAR-OFF)									
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED ANCHOR SHEET, BONDED ROOF COVER									
SYSTEM NO.	DECK (4.1.2)	INSULATION LAYER(S) (3.1.2)		BASE OR ANCHOR SHEET			ROOF COVER (3.1.4)		MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	CAP PLY	
G-37.	Existing gypsum deck	One or more layers, any combination	Prelim. Attached	MB Base, Channel Venting Base	Polymer Fastener and Polymer Fastener Insulation Plate (W/D ≥ 114 lbf)	12-inch o.c. in the 4-inch side lap and 18-inch o.c. in two staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*



TABLE 14E: GYPSUM DECKS – REROOF (TEAR-OFF)							
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED ANCHOR SHEET, BONDED ROOF COVER							
SYSTEM NO.	DECK (4.1.2)	ANCHOR SHEET			ROOF COVER (3.1.4)		MDP (PSF)
		TYPE	FASTENER (3.1.1, 4.2.2)	SPACING	BASE PLY	CAP PLY	
G-38.	Existing gypsum deck	MB Base, Channel Venting Base	Polymer Fastener and Polymer Fastener Insulation Plate (W/D ≥ 114 lbf)	12-inch o.c. in the 4-inch side lap and 18-inch o.c. in two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-45.0*
G-39.	Existing gypsum deck	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS Smooth	Two Piece Impact Nail (W/D ≥ 105 lbf)	9-inch o.c. in the 2-inch side lap and 18-inch o.c. in two, equally spaced, staggered rows in the center of the sheet	BP-AA, SBS-AA or SBS-CA	SBS-AA or SBS-CA	-45.0*
G-40.	Existing gypsum deck	MB Base, Channel Venting Base, Venting Base Sheet, SBS Base, SBS Smooth	Two Piece Impact Nail (W/D ≥ 119 lbf)	9-inch o.c. in the 4-inch side lap and 12-inch o.c. in two, equally spaced, staggered rows in the center of the sheet	(Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-67.5

TABLE 15A: RECOVER APPLICATIONS									
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER									
^ The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See 4.1.2) or performance of the substrate (See 4.2.2). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.									
SYSTEM NO.	SUBSTRATE (4.1.2, 4.2.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
COLD-APPLIED BASE; ELEVATE MULTI-PURPOSE MB COLD ADHESIVE:									
R-1.	Existing asphalt BUR	Min. 1.5-inch GenFlex ISO Insulation	GF-OSIA, GF-ISO-BOND, Quick Dual or Quick Dual Y (RIBBON-1)	(Optional) One or more layers base insulation	GF-OSIA, GF-ISO-BOND, Quick Dual or Quick Dual Y (RIBBON-1)	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5
R-2.	Existing asphalt BUR	Min. 1.5-inch GenFlex ISO Insulation	GF-OSIA, GF-ISO-BOND, Quick Dual or Quick Dual Y (RIBBON-1)	(Optional) One or more layers base insulation	GF-OSIA, GF-ISO-BOND, Quick Dual or Quick Dual Y (RIBBON-1)	APP-CA	None	APP-CA	-67.5
R-3.	Existing asphalt BUR	(Optional) One or more layers of min. 1.5-inch GenFlex ISO Insulation	GF-OSIA or GF-ISO-BOND Adhesive or Quick Dual	Min. 0.5-inch GenFlex HD ISO	GF-OSIA or GF-ISO-BOND Adhesive or Quick Dual	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5



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

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

SYSTEM No.	SUBSTRATE (4.1.2, 4.2.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
R-4.	Existing asphalt BUR	(Optional) One or more layers of min. 1.5-inch GenFlex ISO Insulation	GF-OSIA or GF-ISO-BOND Adhesive or Quick Dual	Min. 0.5-inch GenFlex HD ISO	GF-OSIA or GF-ISO-BOND Adhesive or Quick Dual	APP-CA	None	APP-CA	-67.5
R-5.	Existing asphalt BUR	Min. 1.5-inch GenFlex ISO Insulation	GF-OSIA, GF-ISO-BOND, Quick Dual or Quick Dual Y (RIBBON-1)	(Optional) One or more layers base insulation	GF-OSIA, GF-ISO-BOND, Quick Dual or Quick Dual Y (RIBBON-1)	SBS-CA	None	SBS-CA	-82.5
R-6.	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO Insulation	GF-OSIA	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered GenFlex ISO Insulation	GF-OSIA	APP-CA	None	APP-CA	-67.5
R-7.	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO Insulation	GF-OSIA	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered GenFlex ISO Insulation	GF-OSIA	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-82.5
R-8.	Existing granule surface modified bitumen	Min. 1-inch GenFlex Coated Glass Facer	GF-OSIA	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered GenFlex Coated Glass Facer	GF-OSIA	APP-CA	None	APP-CA	-52.5
R-9.	Existing granule surface modified bitumen	Min. 1-inch GenFlex Coated Glass Facer	GF-OSIA	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered GenFlex Coated Glass Facer	GF-OSIA	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-52.5
R-10.	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer; Min. 0.5-inch GenFlex HD ISO	GF-OSIA	APP-CA	None	APP-CA	-67.5
R-11.	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer; Min. 0.5-inch GenFlex HD ISO	GF-OSIA	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5



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

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

SYSTEM No.	SUBSTRATE (4.1.2, 4.2.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
R-12.	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-OSIA	APP-CA	None	APP-CA	-37.5 (NO FBC HVHZ)
R-13.	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-OSIA	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-37.5 (NO FBC HVHZ)
R-14.	Existing asphalt BUR	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (SPATTER)	(Optional) One or more layers base insulation	Quick Dual Y (SPATTER)	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0
R-15.	Existing asphalt BUR	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (SPATTER)	(Optional) One or more layers base insulation	Quick Dual Y (SPATTER)	APP-CA	None	APP-CA	-45.0
R-16.	Existing asphalt BUR	(Optional) One or more layers of min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (SPATTER)	Min. 0.5-inch GenFlex HD ISO	Quick Dual Y (SPATTER)	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-45.0
R-17.	Existing asphalt BUR	(Optional) One or more layers of min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (SPATTER)	Min. 0.5-inch GenFlex HD ISO	Quick Dual Y (SPATTER)	APP-CA	None	APP-CA	-45.0
R-18.	Existing asphalt BUR	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (SPATTER)	(Optional) One or more layers base insulation	Quick Dual Y (SPATTER)	SBS-CA	None	SBS-CA	-45.0
R-19.	Existing asphalt BUR	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-1)	BP-CA, SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5
R-20.	Existing asphalt BUR	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-1)	APP-CA	None	APP-CA	-67.5
R-21.	Existing asphalt BUR	(Optional) One or more layers of min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1)	Min. 0.5-inch GenFlex HD ISO	Quick Dual Y (RIBBON-1)	BP-CA or SBS-CA	(Optional) BP-CA, SBS-CA	SBS-CA	-67.5



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

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

SYSTEM No.	SUBSTRATE (4.1.2, 4.2.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
R-22.	Existing asphalt BUR	(Optional) One or more layers of min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1)	Min. 0.5-inch GenFlex HD ISO	Quick Dual Y (RIBBON-1)	APP-CA	None	APP-CA	-67.5
R-23.	Existing asphalt BUR	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-1)	SBS-CA	None	SBS-CA	-82.5
COLD-APPLIED BASE; ELEVATE LIQUIGARD MEMBRANE ADHESIVE:									
R-24.	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer	GF-OSIA	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-202.5
R-25.	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer; Min. 0.5-inch GenFlex HD ISO or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-OSIA	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-205.5
ASPHALT AND/OR TORCH APPLIED BASE:									
R-26.	Existing asphalt BUR	Min. 1.5-inch GenFlex ISO Insulation	Hot Asphalt	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-225.0
R-27.	Existing asphalt BUR	Min. 1.5-inch GenFlex ISO Insulation	Hot Asphalt	Min. 0.5-inch Structodek High Density Fiberboard	Hot Asphalt	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-520.0
R-28.	Existing asphalt BUR	Min. 1.5-inch GenFlex ISO Insulation	GF-OSIA	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	GF-OSIA	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-157.5
R-29.	Existing asphalt BUR	Min. 1.5-inch GenFlex ISO Insulation	GF-ISO-BOND or Quick Dual	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-ISO-BOND or Quick Dual	SBS-TA	None	SBS-TA	-120.0



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

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

SYSTEM No.	SUBSTRATE (4.1.2, 4.2.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
R-30.	Existing asphalt BUR	Min. 1.5-inch GenFlex ISO Insulation	GF-ISO-BOND or Quick Dual	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	GF-ISO-BOND or Quick Dual	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-120.0
R-31.	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-OSIA	SBS-TA	(Optional) SBS-TA	SBS-TA	-127.5
R-32.	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-OSIA	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA	SBS-AA	-157.5
R-33.	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	GF-OSIA	BP-AA, SBS-AA or APP-TA	(Optional) APP-TA	APP-TA	-202.5
R-34.	Existing asphalt BUR	Min. 1.5-inch, min. 1.25 pcf Insulfoam	Quick Dual Y (RIBBON-2)	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-2)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-87.5
R-35.	Existing asphalt BUR	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Quick Dual Y (RIBBON-2)	SBS-TA	None	SBS-TA	-127.5
R-36.	Existing asphalt BUR	Min. 1.5-inch, min. 1.5 pcf Insulfoam	Quick Dual Y (RIBBON-2)	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-2)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-180.0



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

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

SYSTEM No.	SUBSTRATE (4.1.2, 4.2.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
R-37.	Existing asphalt BUR	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-2)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-225.0
R-38.	Existing asphalt BUR	Min. 1.5-inch, min. 2.0 pcf Insulfoam	Quick Dual Y (RIBBON-2)	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-2)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-225.0
R-39.	Existing asphalt BUR	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (SPATTER)	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Quick Dual Y (SPATTER)	SBS-TA	None	SBS-TA	-45.0
R-40.	Existing asphalt BUR	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (SPATTER)	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (SPATTER)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-45.0
R-41.	Existing asphalt BUR	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1)	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Quick Dual Y (RIBBON-1)	SBS-TA	None	SBS-TA	-120.0
R-42.	Existing asphalt BUR	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-1)	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Quick Dual Y (RIBBON-1)	BP-AA or SBS-AA	(Optional) One or more BP-AA, SBS-AA or APP-TA	SBS-AA or APP-TA	-120.0
SELF-ADHERING BASE:									
R-43.	Existing asphalt BUR	Min. 1.5-inch GenFlex ISO Insulation	GF-OSIA	(Optional) One or more layers base insulation	GF-OSIA	SBS-SA	(Optional) SBA-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-157.5
R-44.	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO Insulation	GF-OSIA	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered GenFlex ISO Insulation	GF-OSIA	SBS-SA	(Optional) SBA-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-202.5
R-45.	Existing granule surface modified bitumen	Min. 1-inch GenFlex Coated Glass Facer	GF-OSIA	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered GenFlex Coated Glass Facer	GF-OSIA	SBS-SA	(Optional) SBA-AA	SBS-AA	-187.5



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

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

SYSTEM No.	SUBSTRATE (4.1.2, 4.2.2)	BASE INSULATION LAYER		TOP INSULATION LAYER		ROOF COVER (3.1.4)			MDP (PSF)
		TYPE	ATTACH (3.1.3)	TYPE	ATTACH (3.1.3)	BASE PLY	PLY	CAP PLY	
R-46.	Existing granule surface modified bitumen	Min. 1-inch GenFlex Coated Glass Facer	GF-OSIA	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered GenFlex Coated Glass Facer	GF-OSIA	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-202.5
R-47.	Existing asphalt BUR	(Optional) One or more layers, min. 1.5-inch GenFlex ISO Insulation	GF-OSIA	Min. 0.5-inch GenFlex HD ISO	GF-OSIA	SBS-SA	(Optional) SBA-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-157.5
R-48.	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer; Min. 0.5-inch GenFlex HD ISO	GF-OSIA	SBS-SA	(Optional) SBA-AA	SBS-AA	-187.5
R-49.	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer; Min. 0.5-inch GenFlex HD ISO	GF-OSIA	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-202.5
R-50.	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO Insulation or GenFlex Coated Glass Facer	GF-OSIA	Additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO Insulation or Tapered GenFlex Coated Glass Facer; Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum Fiber Roof Board	GF-OSIA	SBS-SA	(Optional) SBA-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-82.5
R-51.	Existing asphalt BUR	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	Tapered GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	SBS-SA	(Optional) SBA-AA, SBS-TA or APP-TA	SBS-AA, SBS-TA or APP-TA	-112.5
R-52.	Existing asphalt BUR	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-2)	SBS-SA	(Optional) SBS-TA or APP-TA	SBS-TA or APP-TA	-210.0
R-53.	Existing asphalt BUR	Min. 1.5-inch GenFlex ISO Insulation	Quick Dual Y (RIBBON-2)	(Optional) One or more layers base insulation	Quick Dual Y (RIBBON-2)	SBS-SA	(Optional) SBA-AA	SBS-AA	-247.5