Appendix 1: Attachment Requirements for Wind Uplift Resistance

Table	Deck	Application	Type	Description	Page
1A	Wood	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	6
1B	Wood	New or Reroof (Tear-Off)	A-2	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	6
1C	Wood	New, Reroof (Tear-Off) or Recover	A-2	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	7
1D	Wood	New, Reroof (Tear-Off) or Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	7
1E	Wood	New, Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	8
1F	Wood	New, Reroof (Tear-Off) or Recover	D-2	Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	8
1G	Wood	New, Reroof (Tear-Off)	E-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	9
1H	Wood	New, Reroof (Tear-Off) or Recover	E-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	9
2A	Steel or Concrete	New, Reroof (Tear-Off) or Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	10-13
2B	Steel or Concrete	New, Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	14-17
2C	Steel or Concrete	New, Reroof (Tear-Off) or Recover	D-2	Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	17-19
3A	Structural concrete	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	20-23
3B	Structural concrete	New or Reroof (Tear-Off)	A-1	Bonded Temporary Roof, Bonded Insulation, Bonded Roof Cover	24
3C	Structural concrete	New or Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	25
3D	Structural concrete	New or Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover, Paver System Overburden	25
4A	LWIC	New or Reroof (Tear-Off)	A-1	LWC to Deck, Bonded Insulation, Bonded Roof Cover	26-29
4B	LWIC	New or Reroof (Tear-Off)	A-2	LWC to Deck, Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	29-31
4C	LWIC	New, Reroof (Tear-Off) or Recover	C-1	LWC to Deck, Mechanically Attached Insulation, Bonded Roof Cover	31
4D	LWIC	New or Reroof (Tear-Off)	E-2	LWC to Deck, Mechanically Attached Base Sheet, Bonded Roof Cover	31-36
4E	LWIC	New, Reroof (Tear-Off) or Recover	E-2	LWC to Deck, Mechanically Attached Base Sheet, Bonded Roof Cover	37
4F	LWIC	New, Reroof (Tear-Off)	E-2	Thermal Barrier to Deck, Temp Roof to Barrier, LWC to Temp Roof, Mech. Attached Base Sheet, Bonded Roof Cover	38
4G	LWIC	New or Reroof (Tear-Off)	F	LWC to Deck, Bonded Roof Cover	38
4H	LWIC	New or Reroof (Tear-Off)	F	LWC to Deck, Bonded Roof Cover, Paver System Overburden	38
5A	CWF	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	39
5B	CWF	Reroof (Tear-Off) or Recover	A-2	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	40
5C	CWF	Reroof (Tear-Off) or Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	41
5D	CWF	Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	41-42
5E	CWF	Reroof (Tear-Off) or Recover	E-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	42
6A	Gypsum	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	43
6B	Gypsum	New, Reroof (Tear-Off) or Recover	A-2	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	44-45
6C	Gypsum	New, Reroof (Tear-Off) or Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	45
6D	Gypsum	New, Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	45-46
6E	Gypsum	New, Reroof (Tear-Off) or Recover	E-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	46
7A	Various	Recover	A-1	Bonded Insulation, Bonded Roof Cover	47-49

The following notes apply to the systems outlined herein:

1 The roof system evaluation herein pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction.

2 Unless otherwise noted, fasteners and stress plates shall be as follows. Fastener shall be of sufficient length for the following engagements:

FASTENER/PLATE OPTIONS				
DECK TYPE	BY	FBC FILE NO.	PARTS	MINIMUM ENGAGEMENT
Wood	Johns Manville	N/A	UltraFast Fastener or All Purpose Fastener with UltraFast Metal Plate	Minimum ¾-inch plywood penetration or minimum 1-inch wood plank embedment
Steel	Johns Manville	N/A	UltraFast Fastener or All Purpose Fastener with UltraFast Metal Plate	Minimum ¾-inch steel penetration and engage the top flute of the steel deck
Structural Concrete	Johns Manville	N/A	All Purpose Fastener with UltraFast Metal Plate or Structural Concrete Fastener with UltraFast Metal Plate (flat bottom only)	Minimum 1-inch embedment. Fastener installed with a pilot hole in accordance with the fastener manufacturer's published installation instructions

3 Unless otherwise noted, insulation may be any one layer or combination of FBC Approved (Local or Statewide) board(s) that meet FBC 1505 and, for foam plastic, FBC Chapter 26, when installed with the roof cover.

4 Minimum 200 psi, minimum 2-inch thick FBC Approved lightweight insulating concrete may be substituted for 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 FBC 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.

5 Preliminary insulation attachment for System Type D: Unless otherwise noted, refer to Section 2.2.10.1.3 of FM Loss Prevention Data Sheet 1-29 (February 2020).

6 Unless otherwise noted, insulation adhesive application rates are as follows.
Ribbon or bead width is at the time of application; the ribbons/beads shall expand as noted in the manufacturer's published instructions.
JM Two Part Urethane Insulation Adhesive Canister, JM Two-Part UIA or JM Two-Part UIA Canister may be used where "JM-UIA-TWO-PART" is referenced
If applying hot asphalt to concrete deck, deck shall be primed with ASTM D41 primer.
When multiple layers(s) of insulation and/or coverboard are installed in ribbon-applied adhesive, board joints shall be staggered.
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.

INSULATION ADHESIVE REFERENCES				
BY	FBC FILE NO.	ADHESIVE	REFERENCE	MINIMUM RATE
Johns Manville	N/A	JM MBR Bonding Adhesive	JM-MBR-BA	Continuous 0.75-inch ribbons, 12-inch o.c.
		JM One-Step Foamable Adhesive	JM-OSFA	Continuous 0.75-inch ribbons, 12-inch o.c.
		JM Roofing System Urethane Adhesive	JM-RSUA	Continuous 0.5 to 0.75-inch wide ribbons, 12-inch o.c.
		JM Two Part Urethane Insulation Adhesive	JM-UIA-TWO-PART	Continuous 0.75-inch ribbons, 12-inch o.c.
ICP Construction, Inc.	FL1365	Polyset Commercial Roof Adhesive	Polyset CRA	Continuous 2.5 to 3.5-inch wide ribbons, 12-inch o.c.
Generic, ASTM D312, Type IV	N/A	hot asphalt		Full coverage at 25-30 lbs/square

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

MDP Limitations for Tapered Polyisocyanurate Insulations				
Adhesive	Insulation		Min. Tapered Thickness (in)	MDP (psf)
	Listed Product	FBC File No.		
JM-OSFA	Johns Manville ENRGY 3	FL4205	0.5	-157.5
JM JM-RSUA	Johns Manville ENRGY 3	FL4205	0.5	-157.5
JM-UIA-TWO-PART	Johns Manville ENRGY 3	FL4205	0.5	-315.0
Polyset CRA	Johns Manville ENRGY 3	FL4205	1.0	-117.5

8 For adhered roof insulation and board-size: Unless otherwise noted, refer to Section 2.2.10.6.2 of FM Loss Prevention Data Sheet 1-29 (February 2020).

9 For mechanically attached components or partially-bonded insulation, the maximum design pressure for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with 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, Roofing Application Standard RAS 117 and Roofing Application Standard 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 (February 2020) for Zone 2/3 enhancements.

10 For assemblies with all components fully bonded, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with FBC Chapter 16. No rational analysis is permitted for these systems.

11 For mechanically attached components over existing decks, fasteners shall be tested in the existing deck for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing and analysis shall be in accordance with ANSI/SPRI FX-1 or Testing Application Standard TAS 105. For systems using Trufast Versa-Fast, the number of Versa-Fast Fasteners installed through the Versa-Fast Plate may be increased from the minimum noted in order to yield minimum required withdrawal resistance.

12 For bonded insulation or membrane over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface 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 shall be conducted on mock-ups of the proposed new roof assembly. For bonded insulation or membrane over existing substrates in a recover installation, the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing. Field uplift testing shall be in accordance with ASTM E907, FM Loss Prevention Data Sheet 1-52 or Testing Application Standard TAS 124.

13 Refer to FBC 1511 for requirements and limitations regarding recover installations. For Structural Concrete Deck or Recover Applications using System Type C-1 the base insulation layer is optional and for System Type C-2, D-1 or D-2, the insulation is optional. Alternatively, an FBC Approved insulation board or coverboard may be used as a separation layer. Board products shall be preliminarily attached prior to roof cover installation (Note 5 herein). The separator component shall be documented as meeting FBC 1505 and, for foam plastic, FBC Chapter 26, when installed with the roof cover in Recover applications.

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

15 For bonded membrane applications, unless otherwise noted, refer to the following.

Membrane / Adhesive Combinations			
Reference	**Layer**	**Material**	**Application**
BP-AA	Base Ply	GlasBase Plus, PermaPly 28	Hot asphalt at 20-40 lbs/square
	Ply	GlasPly IV, GlasPly Premier, GlasBase Plus, PermaPly 28	
SBS-AA	Base Ply or Ply	DynaPly T1, DynaMax S, DynaBase, DynaBase XT, DynaBase PR, DynaLastic 180 S, DynaLastic 250 S	
	Cap Ply	DynaPly T1, DynaKap T1, DynaKap FR T1, DynaKap FR T1 CR G, DynaMax FR, DynaMax FR CR G, DynaGlas, DynaGlas FR, DynaGlas FR XT, DynaGlas FR CR G, DynaGlas 30 FR, DynaLastic 180 S, DynaLastic 250 S, DynaLastic 180, DynaLastic 180 FR, DynaLastic 180 FR CR G, DynaLastic 250, DynaLastic 250 FR, DynaLastic 250 FR CR G	
BP-CA1	Base Ply or Ply	GlasBase Plus, PermaPly 28	JM MBR Cold Application Adhesive at 1.5 to 2.0 gal/square
SBS-CA1	Base Ply or Ply	DynaPly T1, DynaMax S, DynaBase, DynaBase XT, DynaBase PR, DynaLastic 180 S, DynaLastic 250 S	
	Cap Ply	DynaPly T1, DynaKap T1, DynaKap FR T1, DynaKap FR T1 CR G, DynaMax FR, DynaMax FR CR G, DynaGlas, DynaGlas FR, DynaGlas FR XT, DynaGlas FR CR G, DynaGlas 30 FR, DynaLastic 180 S, DynaLastic 250 S, DynaLastic 180, DynaLastic 180 FR, DynaLastic 180 FR CR G, DynaLastic 250, DynaLastic 250 FR, DynaLastic 250 FR CR G	
BP-CA2	Base Ply or Ply	GlasBase Plus, PermaPly 28	JM MBR Bonding Adhesive at 1.5 to 2.0 gal/square
SBS-CA2	Base Ply or Ply	DynaPly T1, DynaMax S, DynaBase, DynaBase XT, DynaBase PR, DynaLastic 180 S, DynaLastic 250 S	
	Cap Ply	DynaPly T1, DynaKap T1, DynaKap FR T1, DynaKap FR T1 CR G, DynaMax FR, DynaMax FR CR G, DynaGlas, DynaGlas FR, DynaGlas FR XT, DynaGlas FR CR G, DynaGlas 30 FR, DynaLastic 180 S, DynaLastic 250 S, DynaLastic 180, DynaLastic 180 FR, DynaLastic 180 FR CR G, DynaLastic 250, DynaLastic 250 FR, DynaLastic 250 FR CR G	
	Note:	*SBS-CA2 applications shall not be 'mixed' with SBS-AA applications*	
BP-CA3	Base Ply or Ply	GlasBase Plus, PermaPly 28, GlasPly IV, GlasPly Premier	JM Premium Cold Application Adhesive at 1.5 to 2.0 gal/square
SBS-CA3	Base Ply or Ply	DynaPly T1, DynaMax S, DynaBase, DynaBase XT, DynaBase PR, DynaLastic 180 S, DynaLastic 250 S	
	Cap Ply	DynaPly T1, DynaKap T1, DynaKap FR T1, DynaKap FR T1 CR G, DynaMax FR, DynaMax FR CR G, DynaGlas, DynaGlas FR, DynaGlas FR XT, DynaGlas FR CR G, DynaGlas 30 FR, DynaLastic 180 S, DynaLastic 250 S, DynaLastic 180, DynaLastic 180 FR, DynaLastic 180 FR CR G, DynaLastic 250, DynaLastic 250 FR, DynaLastic 250 FR CR G	
SBS-TA	Base Ply or Ply	DynaBase HW, DynaWeld Base, DynaWeld 180 S	Torch-Applied
	Cap Ply	DynaKap FR T1 HW, DynaKap FR T1 HW CR G, DynaMax FR HW, DynaMax FR HW CR G, DynaWeld Cap FR, DynaWeld Cap FR CR G, DynaWeld Cap 180, DynaWeld Cap 180 FR, DynaWeld Cap 180 FR CR G, DynaWeld Cap 250, DynaWeld Cap 250 FR, DynaWeld Cap 250 FR CR G, DynaClad	
SBS-SA	Base Ply	DynaGrip Base SD/SA, DynaGrip Base SA/SA, DynaGrip Base PR SD/SA	Self-Adhering

16 Vapor barrier options for use over **structural concrete deck** followed by bonded insulation carry the following MDP limitations. The lesser of the MDP listings below vs. that for the selected assembly from **Table 3A** applies.

Vapor Barrier Options; Structural Concrete Deck; Adhered Insulation					
Option #	**Primer**	**Vapor Barrier**		**Insulation Adhesive per Table 3A**	**MDP (psf)**
		Type	**Application**		
C-VB-1.	None	DynaBase PR, DynaLastic 180 S, DynaLastic 250 S	DynaSet 2K, continuous 0.5-inch ribbons, 12-inch o.c. Laps sealed with DynaSet 1K.	Hot asphalt	-75.0
C-VB-2.	None	DynaBase PR, DynaLastic 180 S, DynaLastic 250 S	DynaSet 2K, continuous 0.5-inch ribbons, 12-inch o.c. Laps sealed with DynaSet 1K.	JM-OSFA, 12-inch o.c.	-97.5
C-VB-3.	None	DynaBase PR, DynaLastic 180 S, DynaLastic 250 S	DynaSet 2K, continuous 0.5-inch ribbons, 12-inch o.c. Laps sealed with DynaSet 1K.	JM-RSUA, 12-inch o.c.	-97.5
C-VB-4.	None	DynaBase PR, DynaLastic 180 S, DynaLastic 250 S	DynaSet 2K, continuous 0.5-inch ribbons, 12-inch o.c. Laps sealed with DynaSet 1K.	JM-UIA-TWO-PART, 12-inch o.c.	-97.5
C-VB-5.	ASTM D41	Two plies GlasPly IV, GlasPly Premier in hot asphalt	Hot asphalt	JM-OSFA, 12-inch o.c.	-180.0
C-VB-6.	ASTM D41	Two plies GlasPly IV, GlasPly Premier in hot asphalt	Hot asphalt	JM-RSUA, 12-inch o.c.	-180.0
C-VB-7.	ASTM D41	DynaPly T1, DynaBase, DynaBase XT, DynaBase PR, DynaLastic 180 S, DynaLastic 250 S	Hot asphalt	JM-OSFA, 12-inch o.c.	-180.0

Vapor Barrier Options; Structural Concrete Deck; Adhered Insulation					
Option #	Primer	Vapor Barrier		Insulation Adhesive per Table 3A	MDP (psf)
		Type	Application		
C-VB-8.	ASTM D41	DynaBase HW, DynaWeld Base, DynaWeld 180 S	Torch-applied	JM-OSFA, 12-inch o.c.	-180.0
C-VB-9.	None	DynaBase PR, DynaLastic 180 S, DynaLastic 250 S	DynaSet 1K, continuous 0.75-inch ribbons, 12-inch o.c. Laps sealed with DynaSet 1K.	JM-OSFA, 12-inch o.c.	-232.5
C-VB-10.	None	DynaBase PR, DynaLastic 180 S, DynaLastic 250 S	DynaSet 1K, continuous 0.75-inch ribbons, 12-inch o.c. Laps sealed with DynaSet 1K.	JM-RSUA, 12-inch o.c.	-232.5
C-VB-11.	None	DynaBase PR, DynaLastic 180 S, DynaLastic 250 S	DynaSet 1K, continuous 0.75-inch ribbons, 12-inch o.c. Laps sealed with DynaSet 1K.	JM-UIA-TWO-PART, 12-inch o.c.	-232.5
C-VB-12.	JM SA Primer Low VOC	JM Vapor Barrier SA	Self-adhering	JM-UIA-TWO-PART, 12-inch o.c.	-277.5
C-VB-13.	JM SA Primer Low VOC	JM Vapor Barrier SA	Self-adhering	JM-RSUA, 12-inch o.c.	-277.5
C-VB-14.	ASTM D41	DynaPly T1, DynaBase, DynaBase XT, DynaBase PR, DynaLastic 180 S, DynaLastic 250 S	Hot asphalt	JM-UIA-TWO-PART, 12-inch o.c.	-277.5
C-VB-15.	ASTM D41	DynaBase HW, DynaWeld Base, DynaWeld 180 S	Torch-applied	JM-UIA-TWO-PART, 12-inch o.c.	-277.5
C-VB-16.	ASTM D41	DynaPly T1, DynaBase, DynaBase XT, DynaBase PR, DynaLastic 180 S, DynaLastic 250 S	Hot asphalt	JM-RSUA, 12-inch o.c.	-277.5
C-VB-17.	ASTM D41	DynaBase HW, DynaWeld Base, DynaWeld 180	Torch-applied	JM-RSUA, 12-inch o.c.	-292.5
C-VB-18.	None	DynaBase PR, DynaLastic 180 S, DynaLastic 250 S	DynaSet 1K, continuous 0.75-inch ribbons, 12-inch o.c. Laps sealed with DynaSet 1K.	Hot asphalt	-337.5

17 The following products are interchangeable within the scope of this Evaluation Report.

Acceptable Alternates				
Sub-Category	Manufacturer	FBC File	Listed Product Herein	Alternate
Roofing Insulation	Johns Manville	FL4205	ENRGY 3	R-Panel, ValuTherm
			ENRGY 3 25 PSI	R-Panel 25 PSI, ValuTherm 25 PSI
			ENRGY 3 AGF	ValuTherm AGF
			ENRGY 3 25 PSI AGF	ValuTherm 25 PSI AGF
			ENRGY 3 CGF	ValuTherm CGF
			ENRGY 3 25 PSI CGF	ValuTherm 25 PSI CGF

18 "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads. Refer to FBC 1609 for determination of design wind loads

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

System No.	Deck (Note 1)	Base Insulation		Top Insulation		Roof Cover (Note 15)			MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
W-1	Min. 15/32-inch plywood at max. 24-inch spans	Min. 1.5-inch ENRGY 3 or ENRGY 3 25 PSI	JM-RSUA or JM-OSFA	(Optional) Additional layers base insulation	JM-RSUA or JM-OSFA	SBS-CA1 or DynaGrip SD/SA or JM BaseGrip SD/SA	(Optional) SBS-TA	SBS-TA	-45.0*

TABLE 1B: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (Note 15)			MDP (psf)
		Type	Fastener (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
W-2	Min. 15/32-inch plywood at max. 24-inch spans	PermaPly 28, DynaBase, GlasBase Plus or Ventsulation	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails	9-inch o.c. in 4-inch lap and 12-inch o.c. in three, equally spaced, staggered center rows	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	hot asphalt	Min. 0.75-inch Fesco Board (homogeneous), min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard or min. 1.5-inch Fesco Foam or DuraFoam	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-45.0*
W-3	Min. 15/32-inch plywood at max. 24-inch spans	Two plies of PermaPly 28, DynaBase, GlasBase Plus or Ventsulation	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails	9-inch o.c. in 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	hot asphalt	Min. 0.75-inch Fesco Board (homogeneous), min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard or min. 1.5-inch Fesco Foam or DuraFoam	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-52.5
W-4	Min. 19/32-inch plywood at max. 24-inch spans	GlasPly Premier, PermaPly 28 or Ventsulation	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails	9-inch o.c. in 4-inch lap and 9-inch o.c. in two, equally spaced, staggered center rows	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	hot asphalt	Min. 0.75-inch Fesco Board (homogeneous), min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard or min. 1.5-inch Fesco Foam or DuraFoam	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-60.0

TABLE 1C: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER												
System No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (Note 15)			MDP (psf)
		Type	Fastener (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
W-5	Min. 19/32-inch plywood at max. 24-inch spans	GlasPly Premier, PermaPly 28 or Ventsulation	Note 2	8-inch o.c. in 4-inch lap and 8-inch o.c. in three, equally spaced, staggered center rows	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	hot asphalt	Min. 0.75-inch Fesco Board (homogeneous), min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard or min. 1.5-inch Fesco Foam or DuraFoam	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-52.5

TABLE 1D: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fastener (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
W-6	Min. 19/32-inch plywood at max. 24-inch spans	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Note 2	1 per 2.0 ft^2	Min. 0.75-inch Fesco Board (homogeneous), min. 0.5-inch Retro-Fit Board, RetroPlus Board or min. 1.5-inch Fesco Foam	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-45.0*
W-7	Min. 19/32-inch plywood at max. 24-inch spans	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Note 2	1 per 2.0 ft^2	Min. 0.5-inch DuraBoard	JM-UIA-TWO-PART	SBS-TA	(Optional) SBS-TA	SBS-TA	-45.0*
W-8	Min. 19/32-inch plywood at max. 24-inch spans	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Note 2	1 per 1.3 ft^2	Min. 0.5-inch DuraBoard	hot asphalt or JM-MBR-BA full coverage	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-60.0
W-9	Min. 15/32-inch plywood at max. 24-inch spans	Min. 1.5-inch ENRGY 3 or ENRGY 3 25 PSI	Note 2 (square plates)	1 per 1.3 ft^2	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	JM-RSUA or JM-OSFA	SBS-TA	(Optional) SBS-TA	SBS-TA	-67.5

TABLE 1E: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER									
System No.	Deck (Note 1)	Base Insulation Layer	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
			Type	Fastener (Note 11)	Attach	Base Ply	Ply	Cap Ply	
W-10	Min. 19/32-inch plywood at max. 24-inch spans	One or more layers, any combination, loose laid	Min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard, min. 0.75-inch Fesco Board (homogeneous) or min. 1.5-inch Fesco Foam or DuraFoam	Note 2	1 per 2.0 ft^2	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-45.0*
W-11	Min. 19/32-inch plywood at max. 24-inch spans	One or more layers, any combination, loose laid	Min. 0.5-inch DuraBoard	Note 2	1 per 2.0 ft^2	SBS-TA	(Optional) SBS-TA	SBS-TA	-45.0*
W-12	Min. 19/32-inch plywood at max. 24-inch spans	One or more layers, any combination, loose laid	Min. 0.75-inch DuraBoard	Note 2	1 per 1.3 ft^2	SBS-TA	(Optional) BP-CA2, SBS-CA2 or SBS-TA	SBS-CA2, SBS-TA	-60.0

TABLE 1F: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER										
System No.	Deck (Note)	Slip Sheet	Insulation Layer(s)		Base Sheet			Roof Cover (Note 15)		MDP (psf)
			Type	Attach	Base	Fastener (Note 11)	Attach	Base Ply	Cap Ply	
W-13	Min. 19/32-inch plywood at max. 24-inch spans	(Optional) One or more layers PermaPly 28, loose laid below or above insulation	One or more layers, any combination	Loose-laid	DynaBase	High Load Fastener through JM Polymer Batten Strip	9-inch o.c. within the min. 4-inch wide, heat-welded side laps.	(Optional) SBS-AA or SBS-TA	SBS-AA or SBS-TA	-37.5*
W-14	Min. 15/32-inch plywood at max. 24-inch spans	(Optional) One or more layers PermaPly 28, loose laid below or above insulation	One or more layers, any combination	Loose-laid	DynaFast 180 HW or DynaFast 250 HW	High Load Fastener and JM APB Plate or High Load Plate	18-inch o.c. within the min. 4-inch wide, heat-welded side laps.	(Optional) SBS-TA	SBS-TA	-45.0*
W-15	Min. 19/32-inch plywood at max. 24-inch spans	(Optional) One or more layers PermaPly 28, loose laid below or above insulation	One or more layers, any combination	Prelim Attach	GlasPly Premier, PermaPly 28 or Ventsulation	Note 2	8-inch o.c. at min. 4-inch lap and 8-inch o.c. at three, equally spaced, staggered center rows	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-52.5
W-16	Min. 15/32-inch plywood at max. 24-inch spans	(Optional) One or more layers PermaPly 28, loose laid below or above insulation	One or more layers, min. 1-inch, any combination	Loose-laid	DynaFast 180 HW or DynaFast 250 HW	High Load Fastener and JM APB Plate or High Load Plate	9-inch o.c. within the min. 4-inch wide, heat-welded side laps.	(Optional) SBS-TA	SBS-TA	-60.0
W-17	Min. 15/32-inch plywood at max. 24-inch spans	(Optional) One or more layers PermaPly 28, loose laid below or above insulation	One or more layers, min. 1-inch, any combination	Loose-laid	DynaFast 180 HW or DynaFast 250 HW	High Load LH Fastener through JM Polymer Batten Strip	6-inch o.c. within the min. 4-inch wide, heat-welded side laps.	(Optional) SBS-TA	SBS-TA	-82.5

TABLE 1G: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Base	Fastener (Note 11)	Attach	Base Ply	Cap Ply	
W-18	Min. 19/32-inch plywood at max. 24-inch spans	Two plies of PermaPly 28, DynaBase, GlasBase Plus or Ventsulation	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails	9-inch o.c. in 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-52.5
W-19	Min. 19/32-inch plywood at max. 24-inch spans	GlasPly Premier, PermaPly 28 or Ventsulation	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails	9-inch o.c. in 4-inch lap and 9-inch o.c. in two, equally spaced, staggered center rows	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-60.0

TABLE 1H: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER								
System No.	Deck (Note 1)	Slip Sheet	Base Sheet			Roof Cover (Note 15)		MDP (psf)
			Base	Fastener (Note 11)	Attach	Base Ply	Cap Ply	
W-20	Min. 19/32-inch plywood at max. 24-inch spans	(Optional) One or more layers PermaPly 28, loose laid	DynaBase	High Load Fastener through JM Polymer Batten Strip	9-inch o.c. within the min. 4-inch wide, heat-welded side laps.	(Optional) SBS-AA or SBS-TA	SBS-AA or SBS-TA	-37.5*
W-21	Min. 15/32-inch plywood at max. 24-inch spans	(Optional) One or more layers PermaPly 28, loose laid	DynaFast 180 HW or DynaFast 250 HW	High Load Fastener and JM APB Plate or High Load Plate	18-inch o.c. within the min. min. 4-inch wide, heat-welded side laps.	(Optional) SBS-TA	SBS-TA	-45.0*
W-22	Min. 19/32-inch plywood at max. 24-inch spans	(Optional) One or more layers PermaPly 28, loose laid	GlasPly Premier, PermaPly 28 or Ventsulation	Note 2	8-inch o.c. in 4-inch lap and 8-inch o.c. in three, equally spaced, staggered center rows	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-52.5

TABLE 2A: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
S-1	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Note 2	1 per 5.3 ft^2	Min. 0.5-inch RetroPlus Board	hot asphalt or JM-MBR-BA, full coverage	BP-AA, BP-CA2, BP-CA3, SBS-AA, SBS-CA2, SBS-CA3	(Optional) BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	-37.5*
S-2	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Note 2	1 per 5.3 ft^2	Min. 0.5-inch RetroPlus Board	JM-UIA-TWO-PART	BP-AA, BP-CA2, BP-CA3, SBS-AA, SBS-CA2, SBS-CA3	(Optional) BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	-37.5*
S-3	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ENRGY 3	Note 2	1 per 5.3 ft^2	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	JM-UIA-TWO-PART	BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	(Optional) BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3, SBS-TA	-37.5*
S-4	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Note 2	1 per 2.0 ft^2	Min. 0.5-inch DuraBoard	JM-MBR-BA	BP-CA2, BP-CA3, SBS-CA2 or SBS-CA3	(Optional) BP-CA1, BP-CA2, BP-CA3, SBS-CA1, SBS-CA2 or SBS-CA3	SBS-CA1, SBS-CA2 or SBS-CA-3	-45.0*
S-5	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Note 2	1 per 2.0 ft^2	One or more layers base insulation followed by min. 0.5-inch DuraBoard	JM-MBR-BA	BP-CA2, BP-CA3, SBS-CA2 or SBS-CA3	(Optional) BP-CA1, BP-CA2, BP-CA3, SBS-CA1, SBS-CA2 or SBS-CA3	SBS-CA1, SBS-CA2 or SBS-CA-3	-45.0*
S-6	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Note 2	1 per 2.0 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch DuraBoard	JM-UIA-TWO-PART	SBS-TA	(Optional) SBS-TA	SBS-TA	-45.0*
S-7	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Note 2	1 per 2.0 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	JM-RSUA or JM-OSFA	SBS-TA	(Optional) SBS-TA	SBS-TA	-45.0*
S-8	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Note 2	1 per 2.0 ft^2	Min. 0.25-inch Invinsa Roof Board or min. 1.5-inch Invinsa Foam	JM-UIA-TWO-PART or JM-RSUA or JM-OSFA	DynaGrip SD/SA	(Optional) SBS-TA	SBS-TA	-45.0*
S-9	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Note 2	1 per 2.0 ft^2	Min. 0.5-inch DuraBoard	JM-UIA-TWO-PART	SBS-TA	(Optional) SBS-TA	SBS-TA	-45.0*

TABLE 2A: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
S-10	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Note 2	1 per 4.0 ft^2	Min. 0.5-inch RetroPlus Board	hot asphalt or JM-MBR-BA, full coverage	BP-AA, BP-CA2, BP-CA3, SBS-AA, SBS-CA2, SBS-CA3	(Optional) BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	-45.0*
S-11	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Note 2	1 per 4.0 ft^2	Min. 0.5-inch RetroPlus Board	JM-UIA-TWO-PART	BP-AA, BP-CA2, BP-CA3, SBS-AA, SBS-CA2, SBS-CA3	(Optional) BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	-45.0*
S-12	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ENRGY 3	Note 2	1 per 4.0 ft^2	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	JM-UIA-TWO-PART	BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	(Optional) BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3, SBS-TA	-45.0*
S-13	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 2-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Note 2	1 per 5.3 ft^2	Min. 0.5-inch RetroPlus Board	hot asphalt or JM-MBR-BA, full coverage	BP-AA, BP-CA2, BP-CA3, SBS-AA, SBS-CA2, SBS-CA3	(Optional) BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	-45.0*
S-14	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 2-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Note 2	1 per 5.3 ft^2	Min. 0.5-inch RetroPlus Board	JM-UIA-TWO-PART	BP-AA, BP-CA2, BP-CA3, SBS-AA, SBS-CA2, SBS-CA3	(Optional) BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	-45.0*
S-15	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 2-inch ENRGY 3	Note 2	1 per 5.3 ft^2	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	JM-UIA-TWO-PART	BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	(Optional) BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3, SBS-TA	-45.0*
S-16	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF, Fesco Foam or DuraFoam	Note 2	1 per 2.0 ft^2	Min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard, min. 0.75-inch Fesco Board (homogeneous) (flat or tapered) or min. 1.5-inch Fesco Foam or DuraFoam	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2,SBS-TA,	-52.5
S-17	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ENRGY 3 or ENRGY 3 25 PSI	Note 2 (square plates)	1 per 1.45 ft^2	Min. 0.25-inch Invinsa Roof Board	JM-UIA-TWO-PART, JM-RSUA or JM-OSFA	DynaGrip Base SD/SA, self-adhering	(Optional) SBS-TA	SBS-TA	-52.5

TABLE 2A: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
S-18	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ENRGY 3	Note 2	1 per 1.8 ft^2	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	JM-UIA-TWO-PART	BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	(Optional) BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3, SBS-TA	-60.0
S-19	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF, Fesco Foam or DuraFoam	Note 2	1 per 1.8 ft^2	Min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard or min. 1.5-inch Fesco Foam or DuraFoam	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-60.0
S-20	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Note 2	1 per 1.8 ft^2	Min. 0.5-inch RetroPlus Board	hot asphalt or JM-MBR-BA, full coverage	BP-AA, BP-CA2, BP-CA3, SBS-AA, SBS-CA2, SBS-CA3	(Optional) BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	-60.0
S-21	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Note 2	1 per 1.8 ft^2	Min. 0.5-inch RetroPlus Board	JM-UIA-TWO-PART	BP-AA, BP-CA2, BP-CA3, SBS-AA, SBS-CA2, SBS-CA3	(Optional) BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	-60.0
S-22	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 2-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Note 2	1 per 2.0 ft^2	Min. 3/8-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt or JM-UIA-TWO-PART	BP-AA, BP-CA2 SBS-AA, SBS-CA2, SBS-SA or SBS-TA	(Optional) BP-CA2, BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-CA2, SBS-AA, SBS-CA2 or SBS-TA	-60.0
S-23	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 2-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Note 2	1 per 2.0 ft^2	Min. 3/8-inch SECUROCK Gypsum-Fiber Roof Board	JM-RSUA or JM-OSFA, 6-inch o.c.	BP-AA, BP-CA2 SBS-AA, SBS-CA2, SBS-SA or SBS-TA	(Optional) BP-CA2, BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-CA2, SBS-AA, SBS-CA2 or SBS-TA	-60.0
S-24	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Note 2	1 per 1.3 ft^2	Min. 0.5-inch RetroPlus Board	hot asphalt or JM-MBR-BA, full coverage	BP-AA, BP-CA2, BP-CA3, SBS-AA, SBS-CA2, SBS-CA3	(Optional) BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	-67.5
S-25	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Note 2	1 per 1.3 ft^2	Min. 0.5-inch RetroPlus Board	JM-UIA-TWO-PART	BP-AA, BP-CA2, BP-CA3, SBS-AA, SBS-CA2, SBS-CA3	(Optional) BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	-67.5

TABLE 2A: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
S-26	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ENRGY 3	Note 2	1 per 1.3 ft^2	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	JM-UIA-TWO-PART	BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	(Optional) BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3, SBS-TA	-67.5
S-27	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 2-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF, Fesco Foam or DuraFoam	Note 2	1 per 1.45 ft^2	Min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard or min. 1.5-inch Fesco Foam or DuraFoam	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-75.0
S-28	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Note 2	1 per 1.0 ft^2	Min. 0.5-inch RetroPlus Board	hot asphalt or JM-MBR-BA, full coverage	BP-AA, BP-CA2, BP-CA3, SBS-AA, SBS-CA2, SBS-CA3	(Optional) BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	-90.0
S-29	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Note 2	1 per 1.0 ft^2	Min. 0.5-inch RetroPlus Board	JM-UIA-TWO-PART	BP-AA, BP-CA2, BP-CA3, SBS-AA, SBS-CA2, SBS-CA3	(Optional) BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	-90.0
S-30	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ENRGY 3	Note 2	1 per 1.0 ft^2	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	JM-UIA-TWO-PART 4-inch o.c.	BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	(Optional) BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3, SBS-TA	-90.0*
S-31	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 2-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Note 2	1 per 1.45 ft^2	Min. 0.5-inch RetroPlus Board	hot asphalt or JM-MBR-BA, full coverage	BP-AA, BP-CA2, BP-CA3, SBS-AA, SBS-CA2, SBS-CA3	(Optional) BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	-90.0
S-32	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 2-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Note 2	1 per 1.45 ft^2	Min. 0.5-inch RetroPlus Board	JM-UIA-TWO-PART	BP-AA, BP-CA2, BP-CA3, SBS-AA, SBS-CA2, SBS-CA3	(Optional) BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	-90.0
S-33	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 2-inch ENRGY 3	Note 2	1 per 1.45 ft^2	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	JM-UIA-TWO-PART 4-inch o.c.	BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	(Optional) BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3, SBS-TA	-90.0*

TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER									
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
			Type	Fastener (Note 11)	Attach	Base Ply	Ply	Cap Ply	
S-34	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination, loose laid	Min. 0.25-inch Invinsa Roof Board	UltraFast (steel only) or All Purpose with UltraFast Metal (round) Plate	1 per 2.0 ft²	BP-CA3 or SBS-CA3	(Optional) BP-CA3 or SBS-CA3	SBS-CA3	-37.5*
S-35	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.75-inch Invinsa Foam	UltraFast (steel only) or All Purpose with UltraFast Metal (round) Plate	1 per 2.0 ft²	BP-CA3 or SBS-CA3	(Optional) BP-CA3 or SBS-CA3	SBS-CA3	-37.5*
S-36	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 (square plates)	1 per 2.7 ft²	DynaGrip Base SD/SA or SBS-TA	(Optional) SBS-TA	SBS-TA	-37.5*
S-37	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 (square plates)	1 per 2.7 ft²	BP-AA, BP-CA1, BP-CA2, BP-CA-3 SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	(Optional) BP-AA, BP-CA1, BP-CA2, BP-CA-3 SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	-37.5*
S-38	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination, loose laid	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	UltraFast (steel only) or All Purpose with UltraFast Metal (round) Plate	1 per 2.0 ft²	BP-CA3 orSBS-CA3	(Optional) BP-CA3 or SBS-CA3	SBS-CA3	-45.0*
S-39	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination, loose laid	Min. 0.5-inch DuraBoard	Note 2	1 per 2.0 ft²	BP-CA2, BP-CA3, SBS-CA2 or SBS-CA3	(Optional) BP-CA1, BP-CA2, BP-CA3, SBS-CA1, SBS-CA2 or SBS-CA3	SBS-CA1, SBS-CA2 or SBS-CA-3	-45.0*
S-40	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination, loose laid	Min. 0.5-inch DuraBoard	Note 2	1 per 2.0 ft²	SBS-TA	(Optional) SBS-TA	SBS-TA	-45.0*
S-41	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ENRGY 3 Foil Face or min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF or FescoFoam (perlite side down)	Note 2	1 per 2.0 ft²	SBS-SA	(Optional) SBS-TA	SBS-TA	-45.0*
S-42	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ENRGY 3 or ENRGY 3 25 PSI	Note 2	1 per 2.0 ft²	JM BaseGrip SD/SA	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-45.0*
S-43	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Note 2	1 per 4.0 ft²	DynaGrip SD/SA	(Optional) SBS-TA	SBS-TA	-45.0*

TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER									
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
			Type	Fastener (Note 11)	Attach	Base Ply	Ply	Cap Ply	
S-44	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination, loose laid	Min. 0.25-inch Invinsa Roof Board	UltraFast (steel only) or All Purpose with UltraFast Plastic Plate	1 per 2.0 ft^2	SBS-SA	(Optional) SBS-TA	SBS-TA	-45.0*
S-45	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.75-inch Invinsa Foam	UltraFast (steel only) or All Purpose with UltraFast Plastic Plate	1 per 2.0 ft^2	SBS-SA	(Optional) SBS-TA	SBS-TA	-45.0*
S-46	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination, loose laid	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 (square plates)	1 per 2.7 ft^2	DynaGrip Base SD/SA or SBS-TA	(Optional) SBS-TA	SBS-TA	-45.0*
S-47	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination, loose laid	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 (square plates)	1 per 2.7 ft^2	BP-AA, BP-CA1, BP-CA2, BP-CA-3 SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	(Optional) BP-AA, BP-CA1, BP-CA2, BP-CA-3 SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	-45.0*
S-48	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination, loose laid	Min. 0.5-inch Retro-Fit Board or DuraBoard, min. 0.75-inch Fesco Board (homogeneous) or min. 1.5-inch Fesco Foam or DuraFoam	Note 2	1 per 2.0 ft^2	BP-AA, SBS-AA or SBS-CA2	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2,SBS-TA,	-52.5
S-49	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination, loose laid	Min 2inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	UltraFast (steel only)	1 per 1.8 ft^2	SBS-SA	(Optional) SBS-TA	SBS-TA	-52.5
S-50	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 (square plates)	1 per 1.45 ft^2	DynaGrip SD/SA or JM BaseGrip SD/SA	(Optional) SBS-TA	SBS-TA	-60.0
S-51	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 (square plates)	1 per 1.45 ft^2	SBS-AA or SBS-TA	(Optional) SBS-TA	SBS-AA or SBS-TA	-60.0
S-52	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structrual concrete	One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 (square plates)	1 per 1.8 ft^2	SBS-TA	(Optional) SBS-TA	SBS-TA	-60.0
S-53	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Note 2	1 per 1.3 ft^2	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-67.5
S-54	Min. 22 ga., type B, 50 ksi steel	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ENRGY 3 or ENRGY 3 25 PSI	Note 2 (square plates)	1 per 1.45 ft^2	DynaGrip SD/SA or JM BaseGrip SD/SA	(Optional) SBS-TA	SBS-TA	-67.5

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
			Type	Fastener (Note 11)	Attach	Base Ply	Ply	Cap Ply	
S-55	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination, loose laid	Min. 0.75-inch DuraBoard	Note 2	1 per 1.45 ft^2	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-75.0
S-56	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination, loose laid	Min. 0.75-inch DuraBoard	Note 2	1 per 1.3 ft^2	SBS-TA	(Optional) BP-CA2, SBS-CA2 or SBS-TA	SBS-CA2, SBS-TA	-75.0
S-57	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination, loose laid	Min. 0.5-inch Retro-Fit Board or min. 0.75-inch Fesco Board (homogeneous)	Note 2	1 per 1.3 ft^2	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-75.0
S-58	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	UltraFast (steel only) or All Purpose with UltraFast Metal (round) Plate	1 per 1.45 ft^2	BP-CA3 orSBS-CA3	(Optional) BP-CA3 or SBS-CA3	SBS-CA3	-75.0
S-59	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft^2	BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-75.0
S-60	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft^2	SBS-TA	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-75.0
S-61	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination, loose laid	Min. 0.25-inch Invinsa Roof Board	UltraFast (steel only) or All Purpose with UltraFast Plastic Plate	1 per 1.0 ft^2	DynaGrip Base SD/SA	(Optional) SBS-TA	SBS-TA	-82.5
S-62	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 (square plates)	1 per 1.45 ft^2	DynaGrip Base SD/SA or SBS-TA	(Optional) SBS-TA	SBS-TA	-82.5*
S-63	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 (square plates)	1 per 1.45 ft^2	BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	(Optional) BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3, SBS-TA	-82.5*
S-64	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.75-inch Invinsa Foam	UltraFast (steel only) or All Purpose with UltraFast Plastic Plate	1 per 1.0 ft^2	DynaGrip Base SD/SA	(Optional) SBS-TA	SBS-TA	-82.5

TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER									
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
			Type	Fastener (Note 11)	Attach	Base Ply	Ply	Cap Ply	
S-65	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination, loose laid	Min 2-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	UltraFast (steel only)	1 per 1.45 ft^2	DynaGrip Base SD/SA	(Optional)SBS-TA	SBS-TA	-90.0
S-66	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	UltraFast (square plates only)	1 per 1.45 ft^2	DynaGrip Base SD/SA	(Optional)SBS-TA	SBS-TA	-90.0
S-67	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 (square plates)	1 per 1.0 ft^2	DynaGrip Base SD/SA or SBS-TA	(Optional) SBS-TA	SBS-TA	-135.0*
S-68	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 (square plates)	1 per 1.0 ft^2	BP-AA, BP-CA2, SBS-AA, SBS-CA2	(Optional) BP-AA, BP-CA2, SBS-AA, SBS-CA2	SBS-AA, SBS-CA2	-135.0*

TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER									
System No.	Deck (Note 1)	Insulation Layer(s) (Note 13)		Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Type	Attach	Base	Fastener (Note 11)	Attach	Base Ply	Cap Ply	
S-69	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination	Prelim. Attached	DeckPro	Note 2	18-inch o.c. at the 4-inch lap and 18-inch o.c. in one center row	SBS-SA	SBS-TA	-45.0*
S-70	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination	Prelim. Attached	DynaLastic 180 S	High Load Fastener and Plate	18-inch o.c. within the 5-inch wide, heat welded lap	(Optional) BP-AA, BP-CA2, BP-CA3, SBS-AA, SBS-CA2, SBS-CA3 or SBS-TA	SBS-AA, SBS-CA2, SBS-CA3, or SBS-TA	-45.0*
S-71	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination	Prelim. Attached	DynaWeld 180 S	High Load Fastener and Plate	18-inch o.c. within the 5-inch wide, heat welded lap	(Optional) SBS-TA	SBS-TA	-45.0*
S-72	Min. 22 ga., type B, Grade 33 steel	One or more layers, min. 1-inch combined thickness, any combination	Loose-laid	DynaFast 180 HW or DynaFast 250 HW	High Load Fastener and JM APB Plate or High Load Plate	18-inch o.c. within the min. 4-inch wide, heat-welded side laps.	(Optional) SBS-TA	SBS-TA	-47.5*
S-73	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination	Prelim. Attached	DynaFast 180 S	High Load Fastener and JM APB Plate or High Load Plate	6-inch o.c. within every-other min. 4-inch wide, heat-welded side lap; unattached laps heat-welded.	(Optional) SBS-CA2, SBS-AA or SBS-TA	SBS-CA2, SBS-AA or SBS-TA	-52.5

TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER									
System No.	Deck (Note 1)	Insulation Layer(s) (Note 13)		Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Type	Attach	Base	Fastener (Note 11)	Attach	Base Ply	Cap Ply	
S-74	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination	Prelim. Attached	DeckPro	Note 2	18-inch o.c. at the 4-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows	SBS-SA	SBS-TA	-60.0
S-75	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination	Prelim. Attached	PermaPly 28, GlasBase Plus, DynaBase or Ventsulation	Note 2	9-inch o.c. at the 4-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-60.0
S-76	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination	Prelim. Attached	DynaLastic 180 S	High Load Fastener and Plate	12-inch o.c. within the 5-inch wide, heat welded lap	(Optional) BP-AA, BP-CA2, BP-CA3, SBS-AA, SBS-CA2, SBS-CA3 or SBS-TA	SBS-AA, SBS-CA2, SBS-CA3, or SBS-TA	-67.5
S-77	Min. 22 ga., type B, Grade 33 steel at max. 6 ft spans attached 6-inch o.c.	One or more layers, min. 1-inch combined thickness, any combination	Loose-laid	DynaFast 180 HW or DynaFast 250 HW	High Load Fastener and High Load Plate	12-inch o.c. within the min. 4-inch wide, heat-welded side laps.	(Optional) SBS-TA	SBS-TA	-67.5
S-78	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, any combination	Prelim. Attached	PermaPly 28	Note 2	9-inch o.c. at the 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	BP-AA, BP-CA2, SBS-AA or SBS-CA2	SBS-AA, SBS-CA2	-82.5
S-79	Min. 22 ga., type B, Grade 33 steel at max. 6 ft spans attached 6-inch o.c.	One or more layers, any combination	Loose-laid	DyaFast 180 S	High Load Fastener and High Load Plate	12-inch o.c. within the min. 5-inch wide, heat-welded side laps.	(Optional) SBS-TA	SBS-TA	-82.5
S-80	Min. 22 ga., type B, Grade 80 steel at max. 6 ft spans attached 6-inch o.c.	One or more layers, min. 1-inch combined thickness, any combination	Prelim. Attached	DynaFast 180 HW or DynaFast 250 HW	High Load LH Fastener through JM Polymer Batten Strip	6-inch o.c. within min. 4-inch wide, heat-welded laps spaced 71.75-inch o.c.; intermediate 3-inch laps heat-welded	(Optional) SBS-TA	SBS-TA	-90.0
S-81	Min. 22 ga., type B, Grade 33 steel at max. 6 ft spans attached 6-inch o.c.	One or more layers, min. 1-inch combined thickness, any combination	Loose-laid	DynaFast 180 S	High Load Fastener and JM APB Plate or High Load Plate	6-inch o.c. within the min. 4-inch wide, heat-welded side laps.	(Optional) SBS-CA2, SBS-CA3, SBS-AA or SBS-TA	SBS-CA2, SBS-CA3, SBS-AA or SBS-TA	-97.5
S-82	Min. 22 ga., type B, Grade 33 steel at max. 6 ft spans attached 6-inch o.c.	One or more layers, min. 1-inch combined thickness, any combination	Loose-laid	DynaFast 180 HW or DynaFast 250 HW	High Load Fastener and JM APB Plate or High Load Plate	6-inch o.c. within the min. 4-inch wide, heat-welded side laps.	(Optional) SBS-TA	SBS-TA	-105.0
S-83	Min. 22 ga., type B, Grade 80 steel at max. 6 ft spans attached 6-inch o.c.	One or more layers, min. 1-inch combined thickness, any combination	Loose-laid	DynaFast 180 S	High Load Fastener and High Load Plate	6-inch o.c. within the min. 4-inch wide, heat-welded side laps.	(Optional) SBS-CA2, SBS-CA3, SBS-AA or SBS-TA	SBS-CA2, SBS-CA3, SBS-AA or SBS-TA	-105.0

TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER									
System No.	Deck (Note 1)	Insulation Layer(s) (Note 13)		Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Type	Attach	Base	Fastener (Note 11)	Attach	Base Ply	Cap Ply	
S-84	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, min. 1.5-inch combined thickness, any combination	Prelim. Attached	DynaLastic 180 S or DynaWeld 180 S	High Load Fastener and Plate	6-inch o.c. over the 4-inch wide laps	SBS-TA	SBS-TA	-112.5
S-85	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, min. 1.5-inch combined thickness, any combination	Prelim. Attached	DynaLastic 180 S	High Load Fastener and Plate	6-inch o.c. over the 4-inch wide laps	SBS-CA2	SBS-CA2	-112.5
S-86	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, min. 1.5-inch combined thickness, any combination	Prelim. Attached	DynaLastic 180 S or DynaWeld 180 S	High Load Fastener and Plate	6-inch o.c. within the 5-inch wide, heat welded laps	(Optional) SBS-TA	SBS-TA	-112.5
S-87	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, min. 1.5-inch combined thickness, any combination	Prelim. Attached	DynaLastic 180 S	High Load Fastener and Plate	6-inch o.c. within the 5-inch wide, heat welded laps	(Optional) SBS-CA2	SBS-CA2	-112.5
S-88	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch NailBoard	Prelim. Attached	DynaLastic 180 S or DynaWeld 180 S	High Load Fastener and Plate	6-inch o.c. within the 5-inch wide, heat welded laps	(Optional) SBS-TA	SBS-TA	-135.0
S-89	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, min. 2-inch combined thickness, any combination	Prelim. Attached	DynaLastic 180 S or DynaWeld 180 S	High Load Fastener and Plate	6-inch o.c. within the 5-inch wide, heat welded laps	(Optional) SBS-TA	SBS-TA	-135.0
S-90	Min. 22 ga., type EF, Grade 80 steel at max. 6 ft spans attached 6-inch o.c. with #12-24 x 1.25" DP5, HWH screws with ¾-inch washer	One or more layers, min. 1-inch combined thickness, any combination	Prelim. Attached	DynaFast 180 HW	High Load Fastener and Plate	6-inch o.c. within the min. 4-inch wide, heat welded laps	(Optional) SBS-TA	SBS-TA	-142.5
S-91	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch NailBoard	Prelim. Attached	DynaLastic 180 S or DynaWeld 180 S	High Load Fastener and Plate	6-inch o.c. over the 4-inch wide laps	SBS-TA	SBS-TA	-150.0
S-92	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, min. 2-inch combined thickness, any combination	Prelim. Attached	DynaLastic 180 S or DynaWeld 180 S	High Load Fastener and Plate	6-inch o.c. over the 4-inch wide laps	SBS-TA	SBS-TA	-150.0
S-93	Min. 22 ga., type EF, Grade 80 steel	One or more layers, min. 1.5-inch combined thickness, any combination	Loose laid	DynaFast 250 HW	High Load Fastener and High Load Plate	6-inch o.c. within the min. 4-inch wide, heat welded laps	(Optional) SBS-TA	DynaWeld Cap 180 or 180 FR, DynaWeld Cap 250 or 250 FR, torch-applied	-165.0
S-94	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch NailBoard	Prelim. Attached	DynaLastic 180 S or DynaWeld 180 S	High Load Fastener and Plate	12-inch o.c. at the min. 4-inch lap and 12-inch o.c. in three, equally spaced, staggered center rows	SBS-TA	SBS-TA	-195.0

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
C-1.	Structural concrete	ASTM D41	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	hot asphalt	Min. 1.5-inch Invinsa Foam	hot asphalt	JM BaseGrip SD/SA	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-155.0
C-2.	Structural concrete	ASTM D41	Min. 0.75-inch FescoBoard or DuraBoard (homogeneous)	hot asphalt	(Optional) Min. 0.75-inch FescoBoard or DuraBoard (homogeneous)	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2, SBS-TA	-167.5
C-3.	Structural concrete	ASTM D41	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	BP-AA, SBS-AA, SBS-CA2 or SBS-TA	(Optional) BP-AA, BP-CA2, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-247.5
C-4.	Structural concrete	ASTM D41	Min. 1.5-inch ENRGY 3 CGF or ENRGY 3 25 PSI CGF	hot asphalt	Min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard or min. 0.75-inch Fesco Board (homogeneous)	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-277.5
C-5.	Structural concrete	ASTM D41	(Optional) Min. 1.5-inch ENRGY 3 CGF or ENRGY 3 25 PSI CGF	hot asphalt	Min. 1.5-inch Fesco Foam or DuraFoam	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-277.5
C-6.	Structural concrete	ASTM D41	Min. 1.5-inch ENRGY 3 CGF or ENRGY 3 25 PSI CGF	hot asphalt	Min. 0.5-inch DuraBoard	hot asphalt	SBS-TA	(Optional) SBS-TA	SBS-TA	-277.5
C-7.	Structural concrete	ASTM D41	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF or ENRGY 3 25 PSI AGF	hot asphalt	Min. 0.5-inch DuraBoard	hot asphalt	SBS-TA	(Optional) SBS-TA	SBS-TA	-300.0
C-8.	Structural concrete	ASTM D41	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF or ENRGY 3 25 PSI AGF	hot asphalt	Min. 0.5-inch RetroPlus Board or DuraBoard	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-300.0
C-9.	Structural concrete	ASTM D41	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF or ENRGY 3 25 PSI AGF	hot asphalt	Min. 0.5-inch Retro-Fit Board or min. 0.75-inch Fesco Board (homogeneous) or DuraBoard	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-305.0
C-10.	Structural concrete	ASTM D41	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF or ENRGY 3 25 PSI AGF	hot asphalt	Min. 1.5-inch Fesco Foam or DuraFoam	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-305.0
C-11.	Structural concrete	None	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-MBR-BA, 12-inch o.c.	Min. 0.75-inch FescoBoard (laminated)	JM-MBR-BA, 12-inch o.c.	BP-CA2 or SBS-CA2	(Optional) BP-CA1, BP-CA2, SBS-CA1 or SBS-CA2	SBS-CA1 or SBS-CA2	-52.5
C-12.	Structural concrete	None	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-MBR-BA, 12-inch o.c.	Min. 0.5-inch DuraBoard	JM-MBR-BA, 12-inch o.c.	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-147.5

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
C-13.	Structural concrete	None	Min. 0.75-inch FescoBoard (homogeneous) or min. 0.5-inch DuraBoard	JM-MBR-BA full coverage	(Optional) Min. 0.75-inch FescoBoard (homogeneous) or min. 0.5-inch DuraBoard	JM-MBR-BA full coverage	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-187.5
C-14.	Structural concrete	None	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-MBR-BA full coverage	Min. 0.75-inch FescoBoard (homogeneous)	JM-MBR-BA full coverage	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-187.5
C-15.	Structural concrete	None	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-MBR-BA full coverage	(Optional) Min. 1.5-inch base insulation	JM-MBR-BA full coverage	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-375.0
C-16.	Structural concrete	None	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 0.5-inch DuraBoard	JM-UIA-TWO-PART	BP-CA3 or SBS-CA3	(Optional) BP-CA3 or SBS-CA3	SBS-CA3	-60.0
C-17.	Structural concrete	None	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 0.25-inch Invinsa Roof Board	JM-UIA-TWO-PART	SBS-SA	(Optional) SBS-TA	SBS-TA	-82.5
C-18.	Structural concrete	None	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 1.5-inch Invinsa Foam	JM-UIA-TWO-PART	SBS-SA	(Optional) SBS-TA	SBS-TA	-82.5
C-19.	Structural concrete	None	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	JM-UIA-TWO-PART	SBS-TA	(Optional) BP-CA1, BP-CA3, SBS-CA1 or SBS-CA3	SBS-CA1 or SBS-CA3	-105.0
C-20.	Structural concrete	None	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 0.5-inch DuraBoard	JM-UIA-TWO-PART	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-147.5
C-21.	Structural concrete	None	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 0.5-inch DuraBoard	JM-UIA-TWO-PART	SBS-TA	(Optional) SBS-TA	SBS-TA	-150.0
C-22.	Structural concrete	None	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 0.25-inch Invinsa Roof Board	JM-UIA-TWO-PART	JM BaseGrip SD/SA	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-155.0
C-23.	Structural concrete	None	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 1.5-inch Invinsa Foam	JM-UIA-TWO-PART	JM BaseGrip SD/SA	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-155.0
C-24.	Structural concrete	None	Min. 0.75-inch FescoBoard (homogeneous) or min. 0.5-inch DuraBoard	JM-UIA-TWO-PART	(Optional) Min. 0.75-inch FescoBoard (homogeneous) or min. 0.5-inch DuraBoard	JM-UIA-TWO-PART	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-187.5

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
C-25.	Structural concrete	None	Min. 0.5-inch RetroPlus Board	JM-UIA-TWO-PART	(Optional) Min. 0.5-inch RetroPlus Board	JM-UIA-TWO-PART	BP-AA, CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-187.5
C-26.	Structural concrete	None	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	JM-UIA-TWO-PART	BP-AA, SBS-AA, SBS-CA2	(Optional) BP-AA, BP-CA2, SBS-AA, SBS-CA2	SBS-AA, SBS-CA2	-247.5
C-27.	Structural concrete	None	Min. 0.75-inch FescoBoard (homogeneous)	JM-UIA-TWO-PART	(Optional) Min. 0.75-inch FescoBoard (homogeneous)	JM-UIA-TWO-PART	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-285.0
C-28.	Structural concrete	None	Min. 0.5-inch Retro-Fit Board or DuraBoard	JM-UIA-TWO-PART	(Optional) Min. 0.5-inch Retro-Fit Board or DuraBoard	JM-UIA-TWO-PART	BP-AA, CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-305.0
C-29.	Structural concrete	None	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-RSUA or JM-OSFA	Min. 0.25-inch Invinsa Roof Board	JM-RSUA or JM-OSFA	SBS-SA	(Optional) SBS-TA	SBS-TA	-67.5
C-30.	Structural concrete	None	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-RSUA or JM-OSFA	Min. 1.5-inch Invinsa Foam	JM-RSUA or JM-OSFA	SBS-SA	(Optional) SBS-TA	SBS-TA	-67.5
C-31.	Structural concrete	None	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-RSUA or JM-OSFA	Min. 0.25-inch Invinsa Roof Board	JM-RSUA or JM-OSFA	JM BaseGrip SD/SA	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-67.5
C-32.	Structural concrete	None	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-RSUA or JM-OSFA	Min. 1.5-inch Invinsa Foam	JM-RSUA or JM-OSFA	JM BaseGrip SD/SA	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-67.5
C-33.	Structural concrete	None	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-RSUA	Min. 0.5-inch Retro-Fit Board, RetroPlus Board	JM-RSUA	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, SBS-AA, SBS-CA1, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA1, SBS-CA2 or SBS-TA	-105.0
C-34.	Structural concrete	None	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-RSUA or JM-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	JM-RSUA or JM-OSFA	SBS-TA	(Optional) BP-CA1, BP-CA3, SBS-CA1 or SBS-CA3	SBS-CA1 or SBS-CA3	-105.0
C-35.	Structural concrete	None	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-RSUA or JM-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	JM-RSUA or JM-OSFA	SBS-TA	(Optional) SBS-TA	SBS-TA	-177.5

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS										
System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
C-36.	Structural concrete	None	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-RSUA or JM-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	JM-RSUA or JM-OSFA	BP-AA, SBS-AA, SBS-CA2	(Optional) BP-AA, BP-CA2, SBS-AA, SBS-CA2	SBS-AA, SBS-CA2	-247.5
C-37.	Structural concrete	None	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	Min. 0.25-inch Invinsa Roof Board	Polyset CRA	JM BaseGrip SD/SA	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-112.5
C-38.	Structural concrete	None	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	Min. 1.5-inch Invinsa Foam	Polyset CRA	JM BaseGrip SD/SA	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-112.5
C-39.	Structural concrete	None	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	SBS-TA	(Optional) BP-CA1, BP-CA3, SBS-CA1 or SBS-CA3	SBS-CA1 or SBS-CA3	-105.0
C-40.	Structural concrete	None	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	Min. 0.5-inch DuraBoard	Polyset CRA	SBS-TA	(Optional) SBS-TA	SBS-TA	-150.0
C-41.	Structural concrete	None	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	BP-AA, SBS-AA, SBS-CA2 or SBS-TA	(Optional) BP-AA, BP-CA2, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-247.5
C-42.	Structural concrete	None	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	(Optional) Min. 1.5-inch base insulation	Polyset CRA	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-360.0

TABLE 3B: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED TEMP ROOF, BONDED INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Primer /Temp Roof	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
C-43.	Structural concrete	ASTM D41 primer followed by SBS-TA (smooth)	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-MBR-BA	(Optional) Base insulation	JM-MBR-BA	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-147.5
C-44.	Structural concrete	ASTM D41 primer followed by SBS-TA (smooth)	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	JM-RSUA or JM-OSFA	None	N/A	SBS-TA	(Optional) SBS-TA	SBS-TA	-225.0
C-45.	Structural concrete	ASTM D41 primer followed by JM BaseGrip SD/SA	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	hot asphalt	Min. 1.5-inch Invinsa Foam	hot asphalt	JM BaseGrip SD/SA	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-155.0
C-46.	Structural concrete	ASTM D41 primer followed by BP-AA, SBS-AA (smooth) or SBS-TA (smooth)	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF, min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard or min. 0.75-inch Fesco Board (homogeneous)	hot asphalt	(Optional) Min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard or min. 0.75-inch Fesco Board (homogeneous)	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-167.5
C-47.	Structural concrete	ASTM D41 primer followed by BP-AA, SBS-AA (smooth) or SBS-TA (smooth)	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	hot asphalt	Min. 1.5-inch Fesco Foam or DuraFoam	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-167.5
C-48.	Structural concrete	ASTM D41 primer followed by one or two DynaWeld Base	Min. 1.5-inch ENRGY 3 CGF or ENRGY 3 25 PSI CGF	hot asphalt	Min. 0.5-inch DuraBoard	hot asphalt	SBS-TA	(Optional) SBS-TA	SBS-TA	-277.5
C-49.	Structural concrete	ASTM D41 primer followed by one or two DynaWeld Base	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF or ENRGY 3 25 PSI AGF	hot asphalt	Min. 0.5-inch DuraBoard	hot asphalt	SBS-TA	(Optional) SBS-TA	SBS-TA	-300.0

TABLE 3C: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER						
System No.	Deck (Note 1)	Primer	Roof Cover (Note 15)			MDP (psf)
			Base Ply	Ply	Cap Ply	
C-50.	Structural concrete	ASTM D41	SBS-SA	(Optional) SBS-TA	SBS-TA	-45.0
C-51.	Structural concrete	ASTM D41	JM BaseGrip SD/SA	(Optional) SBS-AA, SBS-TA	SBS-AA, SBS-TA	-155.0
C-52.	Structural concrete	ASTM D41	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-275.0
C-53.	Structural concrete	ASTM D41	SBS-TA	(Optional) BP-CA2, SBS-CA2 or SBS-TA	SBS-CA2 or SBS-TA	-315.0
C-54.	Structural concrete	ASTM D41	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-495.0

TABLE 3D: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER, PAVER SYSTEM OVERBURDEN							
System No.	Deck (Note 1)	Waterproofing				Overburden	MDP (psf)
		Primer	Base Ply	Ply	Cap Ply		
C-55.	Structural concrete	None	DynaBase applied in JM DynaSet 2K, 1-inch ribbons 6-inch o.c.	(Optional) DynaBase HW, torch applied	DynaWeld Cap FR or DynaWeld Cap 180 FR, torch applied	Wausau Tile: Terra-Paver in Lok-Down atop Terra-Base. Terra-Base is bonded directly to the top surface of the waterproofing system in JM DynaSet 2K. The Terra-Paver is secured with the Lok-Down tabs and screws.	-85.0
C-56.	Structural concrete	ASTM D41	DynaBase HW, torch applied	(Optional) DynaBase HW, torch applied	DynaWeld Cap FR, torch applied	Wausau Tile: Terra-Paver in Lok-Down atop Terra-Base. Terra-Base is bonded directly to the top surface of the waterproofing system in JM DynaSet 2K. The Terra-Paver is secured with the Lok-Down tabs and screws.	-102.5
C-57.	Structural concrete	ASTM D41	DynaBase HW, torch applied	(Optional) DynaBase HW, torch applied	DynaWeld Cap 180 FR, torch applied	Wausau Tile: Terra-Paver in Lok-Down atop Terra-Base. Terra-Base is bonded directly to the top surface of the waterproofing system in JM DynaSet 2K. The Terra-Paver is secured with the Lok-Down tabs and screws.	-110.0

TABLE 4A: LIGHTWEIGHT CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
CELCORE (FL2037):										
LWC-1	Min. 22 ga, type B, Grade 33 steel	Min. 340 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Min. 1.5-inch ENRGY 3 or ENRGY 3 25 PSI	JM-RSUA	(Optional) Additional layer(s) base insulation	JM-RSUA	DynaGrip Base SD/SA	(Optional)SBS-TA	SBS-TA	-75.0
LWC-2	Structural concrete	Min. 340 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Min. 1.5-inch ENRGY 3 or ENRGY 3 25 PSI	JM-RSUA	(Optional) Additional layer(s) base insulation	JM-RSUA	DynaGrip Base SD/SA	(Optional)SBS-TA	SBS-TA	-77.5
LWC-3	Min. 22 ga, type B, Grade 33 steel	Min. 310 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Min. 1.5-inch ENRGY 3 or ENRGY 3 25 PSI	JM-UIA-TWO-PART	(Optional) Additional layer(s) base insulation	JM-UIA-TWO-PART	SBS-CA-2	(Optional) SBS-CA2	SBS-CA1, SBS-CA2	-75.0
LWC-4	Min. 22 ga, type B, Grade 33 steel	Min. 310 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Min. 1.5-inch ENRGY 3 or ENRGY 3 25 PSI	JM-UIA-TWO-PART	(Optional) Additional layer(s) base insulation	JM-UIA-TWO-PART	DynaGrip Base SD/SA	(Optional)SBS-TA	SBS-TA	-75.0
LWC-5	Structural concrete	Min. 310 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Min. 1.5-inch ENRGY 3 or ENRGY 3 25 PSI	JM-UIA-TWO-PART	(Optional) Additional layer(s) base insulation	JM-UIA-TWO-PART	DynaGrip Base SD/SA	(Optional)SBS-TA	SBS-TA	-90.0
LWC-6	Structural concrete	Min. 310 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Min. 1.5-inch ENRGY 3 or ENRGY 3 25 PSI	JM-UIA-TWO-PART	(Optional) Additional layer(s) base insulation	JM-UIA-TWO-PART	SBS-CA-2	(Optional) SBS-CA2	SBS-CA1, SBS-CA2	-130.0
LWC-7	Structural concrete	Min. 200 psi, min. 2-inch Celcore Cellular Concrete	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	SBS-TA	(Optional) BP-CA1, BP-CA3, SBS-CA1 or SBS-CA3	SBS-CA1 or SBS-CA3	-105.0
LWC-8	Structural concrete	Min. 200 psi, min. 2-inch Celcore Cellular Concrete	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	Min. 0.5-inch DuraBoard	Polyset CRA	SBS-TA	(Optional) SBS-TA	SBS-TA	-150.0

TABLE 4A: LIGHTWEIGHT CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
LWC-9	Structural concrete	Min. 200 psi, min. 2-inch Celcore Cellular Concrete	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	(Optional) Additional layers of base insulation	Polyset CRA	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-222.5
LWC-10	Structural concrete	Min. 200 psi, min. 2-inch Celcore Cellular Concrete	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-222.5
LWC-11	Structural concrete	Min. 200 psi, min. 2-inch Celcore Cellular Concrete	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	SBS-TA	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-222.5
ELASTIZELL (FL4994):										
LWC-12	Structural concrete	Min. 200 psi, min. 2-inch Elastizell	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	(Optional) Additional layers of base insulation	JM-UIA-TWO-PART	SBS-SA	(Optional) SBS-TA	SBS-TA	-75.0
LWC-13	Structural concrete	Min. 200 psi, min. 2-inch Elastizell	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	JM-UIA-TWO-PART	SBS-TA	(Optional) BP-CA1, BP-CA3, SBS-CA1 or SBS-CA3	SBS-CA1 or SBS-CA3	-105.0
LWC-14	Structural concrete	Min. 200 psi, min. 2-inch Elastizell	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 0.5-inch DuraBoard	JM-UIA-TWO-PART	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-147.5
LWC-15	Structural concrete	Min. 200 psi, min. 2-inch Elastizell	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 0.5-inch DuraBoard	JM-UIA-TWO-PART	SBS-TA	(Optional) SBS-TA	SBS-TA	-150.0
LWC-16	Structural concrete	Min. 200 psi, min. 2-inch Elastizell	Min. 0.75-inch FescoBoard (homogeneous) or min. 0.5-inch DuraBoard	JM-UIA-TWO-PART	(Optional) Min. 0.75-inch FescoBoard (homogeneous) or min. 0.5-inch DuraBoard	JM-UIA-TWO-PART	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-187.5
LWC-17	Structural concrete	Min. 200 psi, min. 2-inch Elastizell	Min. 0.5-inch RetroPlus Board	JM-UIA-TWO-PART	(Optional) Min. 0.5-inch RetroPlus Board	JM-UIA-TWO-PART	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-187.5
LWC-18	Structural concrete	Min. 200 psi, min. 2-inch Elastizell	Min. 0.75-inch FescoBoard (homogeneous) or min. 0.5-inch Retro-Fit Board or DuraBoard	JM-UIA-TWO-PART	(Optional) Min. 0.75-inch FescoBoard (homogeneous) or min. 0.5-inch Retro-Fit Board or DuraBoard	JM-UIA-TWO-PART	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-225.0

TABLE 4A: LIGHTWEIGHT CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
LWC-19	Structural concrete	Min. 200 psi, min. 2-inch Elastizell	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	JM-UIA-TWO-PART	BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-225.0
LWC-20	Structural concrete	Min. 200 psi, min. 2-inch Elastizell	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	JM-UIA-TWO-PART	SBS-TA	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-225.0
LWC-21	Structural concrete	Min. 200 psi, min. 2-inch Elastizell	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	(Optional) Additional layers of base insulation	Polyset CRA	SBS-SA	(Optional) SBS-TA	SBS-TA	-75.0
LWC-22	Structural concrete	Min. 200 psi, min. 2-inch Elastizell	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	SBS-TA	(Optional) BP-CA1, BP-CA3, SBS-CA1 or SBS-CA3	SBS-CA1 or SBS-CA3	-105.0
LWC-23	Structural concrete	Min. 200 psi, min. 2-inch Elastizell	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	Min. 0.5-inch DuraBoard	Polyset CRA	SBS-TA	(Optional) SBS-TA	SBS-TA	-150.0
LWC-24	Structural concrete	Min. 200 psi, min. 2-inch Elastizell	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	(Optional) Additional layers of base insulation	Polyset CRA	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-180.0
LWC-25	Structural concrete	Min. 200 psi, min. 2-inch Elastizell	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-180.0
LWC-26	Structural concrete	Min. 200 psi, min. 2-inch Elastizell	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	SBS-TA	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-180.0
MEARLCRETE (FL13492):										
LWC-27	Structural concrete	Min. 200 psi, min. 2-inch Mearlcrete	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	SBS-TA	(Optional) BP-CA1, BP-CA3, SBS-CA1 or SBS-CA3	SBS-CA1 or SBS-CA3	-105.0
LWC-28	Structural concrete	Min. 200 psi, min. 2-inch Mearlcrete	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	Min. 0.5-inch DuraBoard	Polyset CRA	SBS-TA	(Optional) SBS-TA	SBS-TA	-150.0

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
LWC-29	Structural concrete	Min. 200 psi, min. 2-inch Mearlcrete	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	(Optional) Additional layers of base insulation	Polyset CRA	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-240.0
LWC-30	Structural concrete	Min. 200 psi, min. 2-inch Mearlcrete	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-240.0
LWC-31	Structural concrete	Min. 200 psi, min. 2-inch Mearlcrete	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	SBS-TA	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-240.0
PRE-EXISTENT LIGHTWEIGHT CONCRETE (NOTE 14):										
LWC-32	Structural concrete	Min. 200 psi, min. 2-inch thick pre-existent cellular LWIC	Min. 1.5-inch ENRGY 3 or ENRGY 3 25 PSI	JM-UIA-TWO-PART	(Optional) Additional layer(s) base insulation	JM-UIA-TWO-PART	SBS-CA-2	(Optional) SBS-CA2	SBS-CA1, SBS-CA2	-80.0
LWC-33	Structural concrete	Min. 200 psi, min. 2-inch thick pre-existent cellular LWIC	Min. 1.5-inch ENRGY 3 or ENRGY 3 25 PSI	JM-UIA-TWO-PART	(Optional) Additional layer(s) base insulation	JM-UIA-TWO-PART	DynaGrip Base SD/SA	(Optional)SBS-TA	SBS-TA	-80.0

TABLE 4B: LIGHTWEIGHT CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Anchor Sheet			Insulation			Roof Cover (Note 15)			MDP (psf)
			Type	Fastener (Note 11)	Attach	Base	Top	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
CELCORE (FL2037):												
LWC-34	Min. 22 ga, Type B, Grade 33 steel or structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete	PermaPly 28 or Ventsulation	Trufast FM-90 Base Sheet Fastener	8-inch o.c. at the 4-inch lap and 16-inch o.c. at two, equally spaced, staggered center rows	(Optional) Min. 1-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Min. 1.5-inch Fesco Foam or DuraFoam, min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-37.5
LWC-35	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	DynaBase or GlasPly Premier	Trufast FM-90 Base Sheet Fastener	9-inch o.c. at the 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	(Optional) Min. 1-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Min. 1.5-inch Fesco Foam or DuraFoam, min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-60.0

TABLE 4B: LIGHTWEIGHT CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER												
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Anchor Sheet			Insulation			Roof Cover (Note 15)			MDP (psf)
			Type	Fastener (Note 11)	Attach	Base	Top	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
CONCRECEL (FL5584 OR FL10500):												
LWC-36	Min. 22 ga., type BV, Grade 80 steel or structural concrete deck	Min. 300 psi, min. 2.25-inch thick Concrecel Concrete	GlasPly Premier, PermaPly 28 or Ventsulation	JM LWC Pre-Assembled Base Sheet Fastener	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	(Optional) Min. 1-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Min. 1.5-inch Fesco Foam or DuraFoam, min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-82.5
ELASTIZELL (FL4994):												
LWC-37	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Lightweight Insulating Concrete.	DynaBase, PermaPly 28 or Ventsulation	Trufast FM-90 Base Sheet Fastener or Trufast Twin Loc-Nail Assembled Fastener	7½-inch o.c. at the 4-inch lap and 7½-inch o.c. in two, equally spaced, staggered center rows	(Optional) Min. 1-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Min. 1.5-inch Fesco Foam or DuraFoam, min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-45.0
PRE-EXISTENT LIGHTWEIGHT CONCRETE (NOTE 14):												
LWC-38	Min. 22 ga., type BV steel or structural concrete deck	Pre-existent Min. 300 psi, min. 2-inch thick cellular LWIC *To qualify the LWC, the fastener shall document min. 62 lbf per Note 11.*	DynaBase, GlasPly Premier, PermaPly 28 or Ventsulation	JM LWC Pre-Assembled Base Sheet Fastener (Note 11)	9-inch o.c. at the 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	(Optional) Min. 1-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Min. 1.5-inch Fesco Foam or DuraFoam, min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-52.5
LWC-39	Min. 22 ga, type BV, Grade 33 steel or structural concrete	Min. 350 psi, min. 2-inch thick pre-existent cellular LWIC. *Note: To qualify the LWC, the fastener shall document min. 88 lbf per Note 11.*	PermaPly 28 or Ventsulation	Trufast Twin Loc-Nail Assembled Fastener (Note 11)	9-inch o.c. at the 4-inch lap and 9-inch o.c. in two, equally spaced, staggered center rows	(Optional) Min. 1-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Min. 1.5-inch Fesco Foam or DuraFoam, min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-60.0

TABLE 4B: LIGHTWEIGHT CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Anchor Sheet			Insulation			Roof Cover (Note 15)			MDP (psf)
			Type	Fastener (Note 11)	Attach	Base	Top	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
LWC-40	Min. 22 ga, type BV, Grade 33 steel or structural concrete	Min. 350 psi, min. 2-inch thick pre-existent cellular LWIC. *Note: To qualify the LWC, the fastener shall document min. 110 lbf per Note 11.*	DynaBase	Trufast Twin Loc-Nail Assembled Fastener (Note 11)	9-inch o.c. at the 4-inch lap and 9-inch o.c. in two, equally spaced, staggered center rows	(Optional) Min. 1-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Min. 1.5-inch Fesco Foam or DuraFoam, min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-75.0

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
				Type	Fastener (Note 11)	Attach	Base Ply	Ply	Cap Ply	
PRE-EXISTENT LIGHTWEIGHT CONCRETE (NOTE 14):										
LWC-41	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 180 psi, min. 2-inch thick pre-existent cellular LWIC. *Note: To qualify the LWC, the fastener shall document min. 90 lbf*	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch Invinsa Roof Board	JM UltraLok Fastener, min. 1.6-inch embedment	1 per 1.0 ft^2	DynaGrip Base SD/SA	(Optional) SBS-TA	SBS-TA	-45.0

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
			Type	Fastener (Note 11)	Attach	Base Ply	Cap Ply	
CELCORE (FL2037):								
LWC-42	Min. 22 ga, Type B, Grade 33 steel or structural concrete	Min. 200 psi, min. 2-inch thick Celcore Cellular Concrete	PermaPly 28 or Ventsulation	Trufast FM-90 Base Sheet Fastener	8-inch o.c. at the 4-inch lap and 16-inch o.c. at two, equally spaced, staggered center rows	BP-AA or SBS-AA	SBS-AA	-37.5
LWC-43	Min. 22 ga, type B, Grade 33 steel or structural concrete	Treatment: Celcore S-1 Deck Preparation Slurry. LWC: Min. 380 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	GlasBase Plus, Ventsulation, DynaBase, DynaBase PR, DynaBase XT, DynaLastic 180 S, DynaFast 180 S, DynaPly T1, DynaMax S or DynaLastic 250 S	JM LWC Pre-Assembled Base Sheet Fastener, min. 1.7-inch	12-inch o.c. at the 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	SBS-TA	SBS-TA	-45.0

TABLE 4D: LIGHTWEIGHT CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E-2: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER								
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
			Type	Fastener (Note 11)	Attach	Base Ply	Cap Ply	
LWC-44	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	PermaPly 28 or GlasPly Premier	JM LWC Pre-Assembled Base Sheet Fastener	6-inch o.c. at the 4-inch lap and 6-inch o.c. at three, equally spaced, staggered center rows	SBS-SA	SBS-TA	-60.0
LWC-45	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	PermaPly 28, Ventsulation, DynaBase or GlasPly Premier	JM LWC Pre-Assembled Base Sheet Fastener	6-inch o.c. at the 4-inch lap and 6-inch o.c. at three, equally spaced, staggered center rows	BP-AA, SBS-AA, SBS-CA3 or SBS-TA	SBS-AA, SBS-CA3 or SBS-TA	-60.0
LWC-46	Min. 22 ga, type B, Grade 33 steel or structural concrete	Treatment: Celcore S-1 Deck Preparation Slurry. LWC: Min. 430 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	DynaBase, DynaBase PR, DynaBase XT, DynaLastic 180 S, DynaFast 180 S, DynaPly T1, DynaMax S or DynaLastic 250 S	JM LWC Pre-Assembled Base Sheet Fastener, min. 1.7-inch	12-inch o.c. at the 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	SBS-TA	SBS-TA	-60.0
LWC-47	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	DynaBase or GlasPly Premier	Trufast FM-90 Base Sheet Fastener	9-inch o.c. at the 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	(Optional) BP-AA, SBS-AA or SBS-TA	SBS-AA or SBS-TA	-60.0
LWC-48	Min. 22 ga, type B, Grade 33 steel or structural concrete	Treatment: Celcore S-1 Deck Preparation Slurry. LWC: Min. 340 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	PermaPly 28	JM LWC Pre-Assembled Base Sheet Fastener, min. 1.7-inch	7-inch o.c. at the 3-inch laps and 7-inch o.c. in two, equally spaced, staggered center rows	SBS-TA	SBS-TA	-67.5
LWC-49	Min. 22 ga, type B, Grade 33 steel or structural concrete	Treatment: Celcore S-1 Deck Preparation Slurry. LWC: Min. 340 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	DynaBase, DynaBase PR, DynaBase XT, DynaLastic 180 S, DynaFast 180 S, DynaPly T1, DynaMax S or DynaLastic 250 S	JM LWC Pre-Assembled Base Sheet Fastener, min. 1.7-inch	7-inch o.c. at the 6.4-inch laps and 7-inch o.c. in two, equally spaced, staggered center rows	SBS-TA	SBS-TA	-67.5
LWC-50	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 300 psi, min. 2-inch thick Celcore Cellular Concrete	DynaBase, GlasPly Premier, PermaPly 28 or Ventsulation	JM LWC Pre-Assembled Base Sheet Fastener	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-75.0
CONCRECEL (FL5584 OR FL10500):								
LWC-51	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 500 psi, min. 2-inch thick Concrecel Concrete	PermaPly 28 or GlasPly Premier	JM LWC Pre-Assembled Base Sheet Fastener	6-inch o.c. at the 4-inch lap and 6-inch o.c. at three, equally spaced, staggered center rows	SBS-SA	SBS-TA	-60.0

TABLE 4D: LIGHTWEIGHT CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E-2: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER								
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
			Type	Fastener (Note 11)	Attach	Base Ply	Cap Ply	
LWC-52	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 500 psi, min. 2-inch thick Concrecel Concrete	PermaPly 28, Ventsulation, DynaBase or GlasPly Premier	JM LWC Pre-Assembled Base Sheet Fastener	6-inch o.c. at the 4-inch lap and 6-inch o.c. at three, equally spaced, staggered center rows	BP-AA, SBS-AA, SBS-CA3 or SBS-TA	SBS-AA, SBS-CA3 or SBS-TA	-60.0
LWC-53	Min. 22 ga, type BV, Grade 80 steel or structural concrete	Min. 300 psi, min. 2.25-inch thick Concrecel Concrete	GlasPly Premier, PermaPly 28 or Ventsulation	JM LWC Pre-Assembled Base Sheet Fastener	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-82.5
LWC-54	Structural concrete	Min. 300 psi, min. 2-inch thick Concrecel Concrete. *Note: To qualify the LWC, the fastener shall document min. 98 lbf per Note 11.*	PermaPly 28, Ventsulation, DynaBase or GlasPly Premier	JM LWC Pre-Assembled Base Sheet Fastener (Note 11)	6-inch o.c. at the 4-inch lap and 6-inch o.c. at three, equally spaced, staggered center rows	BP-AA or SBS-AA	SBS-AA	-120.0
LWC-55	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 300 psi, min. 2.25-inch thick Concrecel Concrete	GlasPly Premier	JM LWC Pre-Assembled Base Sheet Fastener	50% strip mop plus: Fastener 4-inch o.c. at the 4-inch lap and 4-inch o.c. in four equally spaced, staggered center rows	BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-146.0
ELASTIZELL (FL4994):								
LWC-56	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 300 psi, min. 2-inch thick Elastizell Lightweight Insulating Concrete.	DynaBase, GlasPly Premier, PermaPly 28 or Ventsulation	JM LWC Pre-Assembled Base Sheet Fastener	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-37.5
LWC-57	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Lightweight Insulating Concrete.	DynaBase, PermaPly 28 or Ventsulation	Trufast FM-90 Base Sheet Fastener or Trufast Twin Loc-Nail Assembled Fastener	7½-inch o.c. at the 4-inch lap and 7½-inch o.c. in two, equally spaced, staggered center rows	BP-AA, SBS-AA or SBS-TA	SBS-AA or SBS-TA	-45.0
LWC-58	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 310 psi, min. 2-inch thick Elastizell Lightweight Insulating Concrete with Zell-Crete Fibers	PermaPly 28	JM LWC Pre-Assembled Base Sheet Fastener, min. 1.7-inch	7-inch o.c. at the 3-inch laps and 7-inch o.c. in two, equally spaced, staggered center rows	SBS-TA	SBS-TA	-45.0
LWC-59	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 310 psi, min. 2-inch thick Elastizell Lightweight Insulating Concrete with Zell-Crete Fibers	DynaBase, DynaBase PR, DynaBase XT, DynaLastic 180 S, DynaFast 180 S, DynaPly T1, DynaMax S or DynaLastic 250 S	JM LWC Pre-Assembled Base Sheet Fastener, min. 1.7-inch	7-inch o.c. at the 6.4-inch laps and 7-inch o.c. in two, equally spaced, staggered center rows	SBS-TA	SBS-TA	-45.0

TABLE 4D: LIGHTWEIGHT CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E-2: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER								
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
			Type	Fastener (Note 11)	Attach	Base Ply	Cap Ply	
LWC-60	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 430 psi, min. 2-inch thick Elastizell Lightweight Insulating Concrete with Zell-Crete Fibers	PermaPly 28, GlasBase Plus, DynaBase or Ventsulation	JM LWC Pre-Assembled Base Sheet Fastener, min. 1.7-inch	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	SBS-AA, SBS-TA	SBS-AA, SBS-TA	-75.0
LWC-61	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 430 psi, min. 2-inch thick Elastizell Lightweight Insulating Concrete with Zell-Crete Fibers	DynaBase	JM LWC Pre-Assembled Base Sheet Fastener, min. 1.7-inch	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	SBS-CA2	SBS-CA-1, SBS-CA2	-75.0
MEARLCRETE (FL13492):								
LWC-62	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 200 psi, min. 2-inch thick Mearlcrete LWIC	DynaBase, GlasPly Premier, PermaPly 28 or Ventsulation	JM LWC Pre-Assembled Base Sheet Fastener	7-inch o.c. at the 4-inch lap and 7-inch o.c. in three, equally spaced, staggered center rows	BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-60.0
PRE-EXISTENT LIGHTWEIGHT CONCRETE (NOTE 14):								
LWC-63	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 200 psi, min. 2-inch thick pre-existent cellular LWIC. *To qualify the LWC, the fastener shall document min. 22 lbf per Note 11.*	PermaPly 28 or GlasPly Premier	JM LWC Pre-Assembled Base Sheet Fastener (Note 11)	6-inch o.c. at the 4-inch lap and 6-inch o.c. at three, equally spaced, staggered center rows	SBS-SA	SBS-TA	-30.0
LWC-64	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 200 psi, min. 2-inch thick pre-existent cellular LWIC. *Note: To qualify the LWC, the fastener shall document min. 22 lbf per Note 11.*	PermaPly 28, Ventsulation, DynaBase or GlasPly Premier	JM LWC Pre-Assembled Base Sheet Fastener (Note 11)	6-inch o.c. at the 4-inch lap and 6-inch o.c. at three, equally spaced, staggered center rows	BP-AA, SBS-AA, SBS-CA3 or SBS-TA	SBS-AA, SBS-CA3 or SBS-TA	-30.0
LWC-65	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 300 psi, min. 2-inch thick pre-existent cellular LWIC. *Note: To qualify the LWC, the fastener shall document min. 35 lbf per Note 11.*	PermaPly 28, GlasBase Plus	JM UltraLok Fastener, min. 1.4-inch or JM LWC Pre-Assembled Base Sheet Fastener, min. 1.7-inch (Note 11)	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	DynaGrip Base SD/SA	SBS-TA	-30.0
LWC-66	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 300 psi, min. 2-inch thick pre-existent cellular LWIC. *Note: To qualify the LWC, the fastener shall document min. 35 lbf per Note 11.*	PermaPly 28, GlasBase Plus, DynaBase, Ventsulation	JM UltraLok Fastener, min. 1.4-inch or JM LWC Pre-Assembled Base Sheet Fastener, min. 1.7-inch (Note 11)	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	SBS-AA, SBS-TA	SBS-AA, SBS-TA	-30.0
LWC-67	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 300 psi, min. 2-inch thick pre-existent cellular LWIC. *Note: To qualify the LWC, the fastener shall document min. 35 lbf per Note 11.*	DynaBase	JM UltraLok Fastener, min. 1.4-inch or JM LWC Pre-Assembled Base Sheet Fastener, min. 1.7-inch (Note 11)	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	SBS-CA2	SBS-CA-1, SBS-CA2	-30.0

TABLE 4D: LIGHTWEIGHT CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E-2: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER								
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
			Type	Fastener (Note 11)	Attach	Base Ply	Cap Ply	
LWC-68	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 210 psi, min. 2-inch thick pre-existent cellular LWIC. *Note: To qualify the LWC, the fastener shall document min. 55 lbf per Note 11.*	PermaPly 28, Glasbase Plus	JM UltraLok Fastener, min. 1.4-inch (Note 11)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	DynaGrip Base SD/SA	SBS-TA	-30.0
LWC-69	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 210 psi, min. 2-inch thick pre-existent cellular LWIC. *Note: Note: To qualify the LWC, the fastener shall document min. 55 lbf per Note 11.*	PermaPly 28, GlasBase Plus, DynaBase, Ventsulation	JM UltraLok Fastener, min. 1.4-inch (Note 11)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	SBS-AA, SBS-TA	SBS-AA, SBS-TA	-30.0
LWC-70	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 210 psi, min. 2-inch thick pre-existent cellular LWIC. *Note: To qualify the LWC, the fastener shall document min. 55 lbf per Note 11.*	DynaBase	JM UltraLok Fastener, min. 1.4-inch (Note 11)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	SBS-CA2	SBS-CA2	-30.0
LWC-71	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 300 psi, min. 2-inch thick pre-existent cellular LWIC. *Note: To qualify the LWC, the fastener shall document min. 62 lbf per Note 11.*	PermaPly 28	JM LWC Pre-Assembled Base Sheet Fastener, min. 1.7-inch (Note 11)	9-inch o.c. at the 3-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	SBS-TA	SBS-TA	-37.5
LWC-72	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 300 psi, min. 2-inch thick pre-existent cellular LWIC. *Note: To qualify the LWC, the fastener shall document min. 62 lbf per Note 11.*	DynaBase, DynaBase PR, DynaBase XT, DynaLastic 180 S, DynaFast 180 S, DynaPly T1, DynaMax S or DynaLastic 250 S	JM LWC Pre-Assembled Base Sheet Fastener, min. 1.7-inch (Note 11)	9-inch o.c. at the 3-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	SBS-TA	SBS-TA	-37.5
LWC-73	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 300 psi, min. 2-inch thick pre-existent cellular LWIC. *Note: To qualify the LWC, the fastener shall document min. 93 lbf per Note 11.*	DynaBase, GlasPly Premier, PermaPly 28 or Ventsulation	JM LWC Pre-Assembled Base Sheet Fastener (Note 11)	9-inch o.c. at the 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-52.5
LWC-74	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 300 psi, min. 2-inch thick pre-existent cellular LWIC. *Note: To qualify the LWC, the fastener shall document min. 88 lbf per Note 11.*	GlasPly Premier, PermaPly 28 or Ventsulation	JM UltraLok Fastener (Note 11)	9-inch o.c. at the 4-inch lap and 9-inch o.c. in two, equally spaced, staggered center rows	BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-60.0
LWC-75	Min. 22 ga, type BV, Grade 33 steel or structural concrete	Min. 350 psi, min. 2-inch thick pre-existent cellular LWIC. *Note: To qualify the LWC, the fastener shall document min. 88 lbf per Note 11.*	PermaPly 28 or Ventsulation	Trufast Twin Loc-Nail Assembled Fastener (Note 11)	9-inch o.c. at the 4-inch lap and 9-inch o.c. in two, equally spaced, staggered center rows	BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-60.0
LWC-76	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 250 psi, min. 2-inch thick pre-existent cellular LWIC. *Note: To qualify the LWC, the fastener shall document min. 69 lbf per Note 11.*	DynaBase, GlasPly Premier, PermaPly 28 or Ventsulation	JM LWC Pre-Assembled Base Sheet Fastener (Note 11)	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	BP-AA, BP-CA2 or SBS-AA, SBS-CA2	SBS-AA, SBS-CA2	-60.0

TABLE 4D: LIGHTWEIGHT CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E-2: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER								
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
			Type	Fastener (Note 11)	Attach	Base Ply	Cap Ply	
LWC-77	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 350 psi, min. 2-inch thick pre-existent cellular LWIC. *Note: To qualify the LWC, the fastener shall document min. 66 lbf per Note 11.*	PermaPly 28 or GlasPly Premier	JM LWC Pre-Assembled Base Sheet Fastener (Note 11)	9-inch o.c. at the 4-inch lap and 9-inch o.c. at three, equally spaced, staggered center rows	SBS-SA	SBS-TA	-60.0
LWC-78	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 350 psi, min. 2-inch thick pre-existent cellular LWIC. *Note: To qualify the LWC, the fastener shall document min. 66 lbf per Note 11.*	PermaPly 28, Ventsulation, DynaBase or GlasPly Premier	JM LWC Pre-Assembled Base Sheet Fastener (Note 11)	9-inch o.c. at the 4-inch lap and 9-inch o.c. at three, equally spaced, staggered center rows	BP-AA, SBS-AA, SBS-CA3 or SBS-TA	SBS-AA, SBS-CA3 or SBS-TA	-60.0
LWC-79	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 350 psi, min. 2-inch thick pre-existent cellular LWIC. *Note: To qualify the LWC, the fastener shall document min. 77 lbf per Note 11.*	PermaPly 28 or GlasPly Premier	JM LWC Pre-Assembled Base Sheet Fastener (Note 11)	7-inch o.c. at the 4-inch lap and 7-inch o.c. at two, equally spaced, staggered center rows	SBS-SA	SBS-TA	-67.5
LWC-80	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 350 psi, min. 2-inch thick pre-existent cellular LWIC. *Note: To qualify the LWC, the fastener shall document min. 77 lbf per Note 11.*	PermaPly 28, Ventsulation, DynaBase or GlasPly Premier	JM LWC Pre-Assembled Base Sheet Fastener (Note 11)	7-inch o.c. at the 4-inch lap and 7-inch o.c. at two, equally spaced, staggered center rows	BP-AA, SBS-AA or SBS-TA	SBS-AA or SBS-TA	-67.5
LWC-81	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 300 psi, min. 2-inch thick pre-existent cellular LWIC. *Note: To qualify the LWC, the fastener shall document min. 110 lbf per Note 11.*	DynaBase	JM UltraLok Fastener (Note 11)	9-inch o.c. at the 4-inch lap and 9-inch o.c. in two, equally spaced, staggered center rows	BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-75.0
LWC-82	Min. 22 ga, type BV, Grade 33 steel or structural concrete	Min. 350 psi, min. 2-inch thick pre-existent cellular LWIC. *Note: To qualify the LWC, the fastener shall document min. 110 lbf per Note 11.*	DynaBase	Trufast Twin Loc-Nail Assembled Fastener (Note 11)	9-inch o.c. at the 4-inch lap and 9-inch o.c. in two, equally spaced, staggered center rows	BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-75.0

TABLE 4E: LIGHTWEIGHT CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE E-2: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER									
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
			Type	Fastener (Note 11)	Attach	Base Ply	Cap Ply	
CELCORE (FL2037):								
LWC-83	Min. 22 ga, type BV, Grade 40 steel or structural concrete	Deck Treatment: Celcore S-1 Deck Preparation Slurry LWC: Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture LWC Treatment: Celcore PVA Curing Compound	DynaFast 180 HW or DynaFast 250 HW	Trufast Versa-Fast Fasteners with Versa-Fast Plates; four (4) fasteners per plate; Fasteners of sufficient length for min. 2.25-inch embedment into LWC or sufficient to provide required withdrawal resistance capacity	10-inch o.c. within the 5-inch wide, heat-welded side laps	(Optional) SBS-TA	SBS-TA	-67.5
LWC-84	Min. 22 ga, type BV, Grade 40 steel or structural concrete	Deck Treatment: Celcore S-1 Deck Preparation Slurry LWC: Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture LWC Treatment: Celcore PVA Curing Compound	DynaLastic 180 S or DynaLastic 250 S	Trufast Versa-Fast Fasteners with Versa-Fast Plates; four (4) fasteners per plate; Fasteners of sufficient length for min. 2.25-inch embedment into LWC or sufficient to provide required withdrawal resistance capacity	10-inch o.c. within the 5-inch wide, heat-welded side laps	(Optional) BP-AA, BP-CA2, SBS-AA or SBS-CA2	SBS-AA, SBS-CA2 or SBS-TA	-67.5
PRE-EXISTENT LIGHTWEIGHT CONCRETE (NOTE 14):								
LWC-85	Min. 22 ga, type B, 50 ksi steel	Min. 430 psi, min. 2-inch thick cellular lightweight concrete.	DynaFast 180 HW or DynaFast 250 HW	High Load Fastener and High Load Plate (engage steel deck)	12-inch o.c. within the min. 5-inch wide, heat-welded side laps.	(Optional) SBS-TA	SBS-TA	-60.0
LWC-86	Min. 22 ga, type B, 50 ksi steel	Min. 430 psi, min. 2-inch thick cellular lightweight concrete.	DynaFast 180 S	High Load Fastener and High Load Plate (engage steel deck)	12-inch o.c. within the min. 5-inch wide, heat-welded side laps.	(Optional) SBS-AA	SBS-AA	-60.0
LWC-87	Min. 22 ga, type B, 60 ksi steel	Min. 180 psi, min. 2-inch thick cellular lightweight concrete.	DynaFast 180 HW or DynaFast 250 HW	High Load Fastener and High Load Plate (engage steel deck)	6-inch o.c. within the min. 4-inch wide, heat-welded side laps.	(Optional) SBS-TA	SBS-TA	-97.5
LWC-88	Min. 22 ga, type B, 60 ksi steel	Min. 180 psi, min. 2-inch thick cellular lightweight concrete.	DynaFast 180 S	High Load Fastener and High Load Plate (engage steel deck)	6-inch o.c. within the min. 4-inch wide, heat-welded side laps.	(Optional) SBS-AA	SBS-AA	-97.5

TABLE 4F: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR CWF DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E-2: THERMAL BARRIER TO DECK, TEMP ROOF TO THERMAL BARRIER, LWC TO TEMP ROOF, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER												
System No.	Deck (Note 1)	Thermal Barrier			Temp Roof (Note 15)	LWC (Note 14)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Type	Fasten (Note 11)	Attach			Base	Fasten	Spacing	Base Ply	Cap	
CELCORE (FL2037):												
LWC-89	Min. 22 ga. type B, Grade 33 steel	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft^2	SBS-AA or SBS-TA (with sanded top surface)	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound.	DynaBase, DynaLastic 180 S, GlasBase Plus, GlasPly Premier or Ventsulation	Trufast FM-90 Base Sheet Fastener	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	BP-AA, SBS-AA or SBS-TA	SBS-AA or SBS-TA	-60.0

TABLE 4G: LIGHTWEIGHT CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER						
System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Roof Cover (Note 15)			MDP (psf)
			Base Ply	Ply	Cap Ply	
CELCORE (FL2037):						
LWC-90	Min. 22 ga, type B, Grade 33 steel, structural concrete or Tectum I	Min. 498 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore Curing Compound	DynaBase applied in JM DynaSet 1K or DynaSet 2K, 1-inch ribbons spaced 12-inch o.c.	(Optional) SBS-AA, SBS-TA, SBS-CA2, SBS-CA3	SBS-AA, SBS-TA, SBS-CA2, SBS-CA3	-78.3
LWC-91	Structural concrete	Min. 498 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; Celcore Curing Compound	DynaBase applied in JM DynaSet 1K or DynaSet 2K, 1-inch ribbons spaced 12-inch o.c.	(Optional) SBS-AA, SBS-TA, SBS-CA2, SBS-CA3	SBS-AA, SBS-TA, SBS-CA2, SBS-CA3	-193.0
CONCRECEL (FL5584 OR FL10500):						
LWC-92	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 300 psi, min. 2.25-inch thick Concrecel Concrete	GlasPly Premier, 50% strip mop	(Optional) BP-AA, BP-CA2, SBS-AA or SBS-CA2	SBS-AA, SBS-CA2 or SBS-TA	-67.5

TABLE 4H: LIGHTWEIGHT CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER, PAVER SYSTEM OVERBURDEN								
System No.	Deck (Note 1)	LWC (Note 14)		Roof Cover (Note 15)			Overburden	MDP (psf)
		Type	Treatment	Base Ply	Ply	Cap Ply		
CELCORE (FL2037):								
LWC-93	Structural concrete	Min. 498 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Celcore Curing Compound	DynaBase applied in JM DynaSet 2K, 1-inch ribbons 6-inch o.c.	(Optional) DynaBase HW, torch applied	DynaWeld Cap FR or DynaWeld Cap 180 FR, torch applied	Wausau Tile: Terra-Paver in Lok-Down atop Terra-Base. Terra-Base is bonded directly to the top surface of the waterproofing system in JM DynaSet 2K. The Terra-Paver is secured with the Lok-Down tabs and screws.	-85.0

TABLE 5A: CEMENTITIOUS WOOD FIBER DECKS – REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER									
System No.	Deck (Notes 1&12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
CWF-1.	Existing Tectum	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard or min. 0.75-inch Fesco Board (homogeneous)	JM-UIA-TWO-PART	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-45.0*
CWF-2.	Existing Tectum	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	JM-UIA-TWO-PART	BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	(Optional) BP-AA, BP-CA2, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-45.0*
CWF-3.	Existing Tectum	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	JM-UIA-TWO-PART	SBS-TA	(Optional) BP-CA1, BP-CA2, BP-CA3, SBS-CA1, SBS-CA2 or SBS-CA3	SBS-CA1, SBSCA2 or SBS-CA3	-45.0*
CWF-4.	Existing Tectum	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	(Optional) Additional layers base insulation	JM-UIA-TWO-PART	SBS-SA	(Optional) SBS-TA	SBS-TA	-45.0*
CWF-5.	Existing Tectum	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 0.25-inch Invinsa Roof Board or min. 1.5-inch Invinsa Foam	JM-UIA-TWO-PART	SBS-SA	(Optional) SBS-TA	SBS-TA	-45.0*
CWF-6.	Existing Tectum	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 0.5-inch DuraBoard	JM-UIA-TWO-PART	SBS-TA	(Optional) SBS-TA	SBS-TA	-45.0*
CWF-7.	Existing Tectum	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	(Optional) BP-AA , BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-52.5
CWF-8.	Existing Tectum	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	SBS-TA	(Optional) BP-CA1, BP-CA2, BP-CA3, SBS-CA1, SBS-CA2 or SBS-CA3	SBS-CA1, SBSCA2 or SBS-CA3	-52.5
CWF-9.	Existing Tectum	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	(Optional) Additional layers base insulation	Polyset CRA	SBS-SA	(Optional) SBS-TA	SBS-TA	-52.5
CWF-10.	Existing Tectum	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	Min. 0.5-inch DuraBoard	Polyset CRA	SBS-TA	(Optional) SBS-TA	SBS-TA	-52.5

TABLE 5B: CEMENTITOUS WOOD FIBER DECKS – REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER											
System No.	Deck (Note 1)	Anchor Sheet			Insulation			Roof Cover (Note 15)			MDP (psf)
		Type	Fastener (Note 11)	Attach	Base	Top	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
CWF-11.	Existing Tectum	PermaPly 28 or Ventsulation	Trufast Twin Loc-Nail Assembled Fastener (Field W/D ≥ 96 lbf)	9-inch o.c. at the 2-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows	(Optional) Min. 1-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Min. 1.5-inch Fesco Foam or DuraFoam, min. 0.75-inch Fesco Board (homogeneous), min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard or min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-45.0*
CWF-12.	Existing Tectum	PermaPly 28 or Ventsulation	Trufast Twin Loc-Nail Assembled Fastener (Field W/D ≥ 96 lbf)	9-inch o.c. at the 2-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows	(Optional) One or more layers min. 1-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Min. 1.5-inch DuraFoam, min. 0.5-inch DuraBoard or min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-TA	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-45.0*
CWF-13.	Existing Tectum	DynaBase, GlasBase Plus, GlasPly Premier, PermaPly 28 or Ventsulation	JM UltraLok Fastener (Field W/D ≥ 100 lbf)	9-inch o.c. at the 4-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows	(Optional) Min. 1-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Min. 1.5-inch Fesco Foam or DuraFoam, min. 0.75-inch Fesco Board (homogeneous), min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard or min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-45.0*
CWF-14.	Existing Tectum	DynaBase, GlasBase Plus, GlasPly Premier, PermaPly 28 or Ventsulation	JM UltraLok Fastener (Field W/D ≥ 100 lbf)	9-inch o.c. at the 4-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows	(Optional) Min. 1-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Min. 1.5-inch DuraFoam, min. 0.5-inch DuraBoard or min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-TA	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-45.0*
CWF-15.	Existing Tectum	DynaBase, GlasBase Plus, GlasPly Premier, PermaPly 28 or Ventsulation	JM UltraLok Fastener (Field W/D ≥ 146 lbf)	9-inch o.c. at the 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	(Optional) Min. 1-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Min. 1.5-inch Fesco Foam or DuraFoam, min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-82.5

TABLE 5C: CEMENTITIOUS WOOD FIBER DECKS –REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fastener (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
CWF-16.	Existing Tectum	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Trufast Twin Loc-Nail Assembled Fastener, min. 1.3-inch embedment (Field W/D ≥ 134 lbf)	1 per 1.78 ft²	Min. 1.5-inch Fesco Foam or DuraFoam, min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-37.5*
CWF-17.	Existing Tectum	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM Polymer Auger Fastener & Plate (Field W/D ≥ 270 lbf)	1 per 3.0 ft²	Min. 1.5-inch Fesco Foam or DuraFoam, min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-45.0*
CWF-18.	Existing Tectum	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Trufast Twin Loc-Nail Assembled Fastener, min. 1.3-inch embedment (Field W/D ≥ 180 lbf)	1 per 2.0 ft²	Min. 1.5-inch Fesco Foam or DuraFoam, min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-45.0*

TABLE 5D: CEMENTITIOUS WOOD FIBER DECKS –REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER									
System No.	Deck (Note 1)	Base Insulation Layer	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
			Type	Fastener (Note 11)	Attach	Base Ply	Ply	Cap Ply	
CWF-19.	Existing Tectum	(Optional) One or more layers, any combination, loose laid	0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard	Trufast Twin Loc-Nail Assembled Fastener, min. 1.3-inch embedment (Field W/D ≥ 134 lbf)	1 per 1.78 ft²	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-37.5*
CWF-20.	Existing Tectum	(Optional) One or more layers, any combination, loose laid	0.5-inch SECUROCK Gypsum-Fiber Roof Board	Trufast Twin Loc-Nail Assembled Fastener, min. 1.3-inch embedment (Field W/D ≥ 134 lbf)	1 per 1.78 ft²	BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	(Optional) BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3, SBS-TA	-37.5*
CWF-21.	Existing Tectum	(Optional) One or more layers, any combination, loose laid	0.5-inch SECUROCK Gypsum-Fiber Roof Board	Trufast Twin Loc-Nail Assembled Fastener, min. 1.3-inch embedment (Field W/D ≥ 134 lbf)	1 per 1.78 ft²	SBS-TA	(Optional) SBS-TA	SBS-TA	-37.5*
CWF-22.	Existing Tectum	One or more layers, any combination, loose laid	Min. 1.5-inch Fesco Foam or DuraFoam	JM Polymer Auger Fastener & Plate or JM UltraLok Fastener (Field W/D ≥ 240 lbf)	1 per 2.7 ft²	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-45.0*
CWF-23.	Existing Tectum	One or more layers, any combination, loose laid	Min. 0.75-inch Fesco Board (homogeneous) or DuraBoard	JM Polymer Auger Fastener & Plate or JM UltraLok Fastener (Field W/D ≥ 180 lbf)	1 per 2.0 ft²	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-45.0*

TABLE 5D: CEMENTITIOUS WOOD FIBER DECKS –REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER									
System No.	Deck (Note 1)	Base Insulation Layer	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
			Type	Fastener (Note 11)	Attach	Base Ply	Ply	Cap Ply	
CWF-24.	Existing Tectum	(Optional) One or more layers, any combination, loose laid	0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard or min. 0.75-inch Fesco Board	Trufast Twin Loc-Nail Assembled Fastener, min. 1.3-inch embedment (Field W/D ≥ 180 lbf)	1 per 2.0 ft²	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-45.0*
CWF-25.	Existing Tectum	(Optional) One or more layers, any combination, loose laid	0.5-inch SECUROCK Gypsum-Fiber Roof Board	Trufast Twin Loc-Nail Assembled Fastener, min. 1.3-inch embedment (Field W/D ≥ 180 lbf)	1 per 2.0 ft²	BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	(Optional) BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3, SBS-TA	-45.0*
CWF-26.	Existing Tectum	(Optional) One or more layers, any combination, loose laid	0.5-inch SECUROCK Gypsum-Fiber Roof Board	Trufast Twin Loc-Nail Assembled Fastener, min. 1.3-inch embedment (Field W/D ≥ 180 lbf)	1 per 2.0 ft²	SBS-TA	(Optional) SBS-TA	SBS-TA	-45.0*

TABLE 5E: CEMENTITOUS WOOD FIBER DECKS –REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE E-2: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER							MDP (psf)
System No.	Deck (Note 1)	Base Sheet			Roof Cover (Note 15)		
		Type	Fastener (Note 11)	Attach	Base Ply	Cap Ply	
CWF-27.	Existing Tectum	DynaBase, GlasBase Plus, GlasPly Premier, PermaPly 28 or Ventsulation	JM Polymer Auger Fastener & Plate (Field W/D ≥ 159 lbf)	12-inch o.c. at the 4-inch lap and 36-inch o.c. in two, equally spaced, staggered center rows	BP-AA, BP-CA2, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2, SBS-TA	-45.0*
CWF-28.	Existing Tectum	PermaPly 28 or Ventsulation	Trufast Twin Loc-Nail Assembled Fastener (Field W/D ≥ 96 lbf)	9-inch o.c. at the 2-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows	BP-AA, BP-CA2, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2, SBS-TA	-45.0*
CWF-29.	Existing Tectum	DynaBase, GlasBase Plus, GlasPly Premier, PermaPly 28 or Ventsulation	JM UltraLok Fastener (Field W/D ≥ 100 lbf)	9-inch o.c. at the 4-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows	BP-AA , BP-CA2, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2, SBS-TA	-45.0*
CWF-30.	Existing Tectum	DynaBase, GlasBase Plus, GlasPly Premier, PermaPly 28 or Ventsulation	JM UltraLok Fastener (Field W/D ≥ 133 lbf)	9-inch o.c. at the 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	BP-AA, BP-CA2, SBS-AA or SBS-CA2	SBS-AA, SBS-CA2	-82.5

TABLE 6A: GYPSUM DECKS – REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER									
System No.	Deck (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
G-1.	Existing gypsum deck	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	(Optional) Additional layers base insulation	JM-UIA-TWO-PART	SBS-SA	(Optional) SBS-TA	SBS-TA	-75.0
G-2.	Existing gypsum deck	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 0.25-inch Invinsa Roof Board or min. 1.5-inch Invinsa Foam	JM-UIA-TWO-PART	SBS-SA	(Optional) SBS-TA	SBS-TA	-82.5
G-3.	Existing gypsum deck	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	JM-UIA-TWO-PART	SBS-TA	(Optional) BP-CA1, BP-CA3, SBS-CA1 or SBS-CA3	SBS-CA1 or SBS-CA3	-105.0
G-4.	Existing gypsum deck	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard or min. 0.75-inch Fesco Board (homogeneous)	JM-UIA-TWO-PART	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-112.5
G-5.	Existing gypsum deck	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	JM-UIA-TWO-PART	BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-112.5
G-6.	Existing gypsum deck	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	JM-UIA-TWO-PART	SBS-TA	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-112.5
G-7.	Existing gypsum deck	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 0.5-inch DuraBoard	JM-UIA-TWO-PART	SBS-TA	(Optional) SBS-TA	SBS-TA	-112.5
G-8.	Existing gypsum deck	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	(Optional) Additional layers base insulation	Polyset CRA	SBS-SA	(Optional) SBS-TA	SBS-TA	-75.0
G-9.	Existing gypsum deck	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	SBS-TA	(Optional) BP-CA1, BP-CA3, SBS-CA1 or SBS-CA3	SBS-CA1 or SBS-CA3	-105.0
G-10.	Existing gypsum deck	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	Min. 0.5-inch DuraBoard	Polyset CRA	SBS-TA	(Optional) SBS-TA	SBS-TA	-150.0
G-11.	Existing gypsum deck	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	BP-AA, BP-CA2, SBS-AA, SBS-CA2 or SBS-TA	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-257.5
G-12.	Existing gypsum deck	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	SBS-TA	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-257.5

TABLE 6B: GYPSUM DECKS – REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Anchor Sheet			Insulation			Roof Cover (Note 15)			MDP (psf)
		Type	Fastener (Note 11)	Attach	Base	Top	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
G-13.	Existing gypsum deck	PermaPly 28 or Ventsulation	Trufast Twin Loc-Nail Assembled Fastener (Field W/D ≥ 96 lbf)	9-inch o.c. at the 2-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows	(Optional) Min. 1-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Min. 1.5-inch Fesco Foam or DuraFoam, min. 0.75-inch Fesco Board (homogeneous), min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard or min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-45.0*
G-14.	Existing gypsum deck	PermaPly 28 or Ventsulation	Trufast Twin Loc-Nail Assembled Fastener (Field W/D ≥ 96 lbf)	9-inch o.c. at the 2-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows	One or more layers min. 1-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Min. 1.5-inch DuraFoam, min. 0.5-inch DuraBoard or min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-TA	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-45.0*
G-15.	Existing gypsum deck	DynaBase, GlasBase Plus, GlasPly Premier, PermaPly 28 or Ventsulation	JM UltraLok Fastener (Field W/D ≥ 100 lbf)	9-inch o.c. at the 4-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows	(Optional) Min. 1-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Min. 1.5-inch Fesco Foam or DuraFoam, min. 0.75-inch Fesco Board (homogeneous), min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard or min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-45.0*
G-16.	Existing gypsum deck	DynaBase, GlasBase Plus, GlasPly Premier, PermaPly 28 or Ventsulation	JM UltraLok Fastener (Field W/D ≥ 100 lbf)	9-inch o.c. at the 4-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows	(Optional) Min. 1-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Min. 1.5-inch DuraFoam, min. 0.5-inch DuraBoard or min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-TA	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-45.0*
G-17.	Existing gypsum deck	GlasBase Plus, GlasPly IV, GlasPly Premier, PermaPly 28 or Ventsulation	JM UltraLok Fastener (Field W/D ≥ 105 lbf)	9-inch o.c. at the min. 2-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows	One or more layers min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	JM-UIA-TWO-PART	BP-AA, BP-CA2, SBS-AA, SBS-CA2 or SBS-TA	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-45.0*
G-18.	Existing gypsum deck	PermaPly 28 or Ventsulation	JM LWC Pre-Assembled Base Sheet Fastener (1.2) (Field W/D ≥ 105 lbf)	9-inch o.c. at the min. 2-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows	One or more layers min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	JM-UIA-TWO-PART	BP-AA, BP-CA2, SBS-AA, SBS-CA2 or SBS-TA	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-45.0*
G-19.	Existing gypsum deck	DynaBase, GlasBase Plus, GlasPly Premier, PermaPly 28 or Ventsulation	JM UltraLok Fastener (Field W/D ≥ 133 lbf)	9-inch o.c. at the 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	(Optional) Min. 1-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Min. 1.5-inch Fesco Foam or DuraFoam, min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-75.0

TABLE 6B: GYPSUM DECKS – REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Anchor Sheet			Insulation			Roof Cover (Note 15)			MDP (psf)
		Type	Fastener (Note 11)	Attach	Base	Top	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
G-20.	Existing gypsum deck	DynaBase, GlasBase Plus, GlasPly Premier, PermaPly 28 or Ventsulation	JM UltraLok Fastener (Field W/D ≥ 133 lbf)	9-inch o.c. at the 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	One or more layers min. 1-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	BP-AA, BP-CA2, SBS-AA, SBS-CA2 or SBS-TA	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-75.0

TABLE 6C: GYPSUM DECKS – REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fastener (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
G-21.	Existing gypsum deck	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Trufast Twin Loc-Nail Assembled Fastener, min. 1.3-inch embedment (Field W/D ≥ 134 lbf)	1 per 1.78 ft²	Min. 1.5-inch Fesco Foam or DuraFoam, min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-37.5*
G-22.	Existing gypsum deck	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM Polymer Auger Fastener & Plate (Field W/D ≥ 360 lbf)	1 per 4.0 ft²	Min. 1.5-inch Fesco Foam or DuraFoam, min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-45.0*
G-23.	Existing gypsum deck	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Trufast Twin Loc-Nail Assembled Fastener, min. 1.3-inch embedment (Field W/D ≥ 180 lbf)	1 per 2.0 ft²	Min. 1.5-inch Fesco Foam or DuraFoam, min. 0.75-inch Fesco Board (homogeneous) or min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-45.0*
G-24.	Existing gypsum deck	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM Polymer Auger Fastener & Plate (Field W/D ≥ 180 lbf)	1 per 2.0 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt or JM-UIA-TWO-PART	BP-AA, BP-CA2, SBS-AA, SBS-CA2 or SBS-TA	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-45.0*

TABLE 6D: GYPSUM DECKS – REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
			Type	Fastener (Note 11)	Attach	Base Ply	Ply	Cap Ply	
G-25.	Existing gypsum deck	(Optional) One or more layers, any combination, loose laid	0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard	Trufast Twin Loc-Nail Assembled Fastener, min. 1.3-inch embedment (Field W/D ≥ 134 lbf)	1 per 1.78 ft²	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-37.5*

TABLE 6D: GYPSUM DECKS – REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER									
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
			Type	Fastener (Note 11)	Attach	Base Ply	Ply	Cap Ply	
G-26.	Existing gypsum deck	(Optional) One or more layers, any combination, loose laid	0.5-inch SECUROCK Gypsum-Fiber Roof Board	Trufast Twin Loc-Nail Assembled Fastener, min. 1.3-inch embedment (Field W/D ≥ 134 lbf)	1 per 1.78 ft²	BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	(Optional) BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3, SBS-TA	-37.5*
G-27.	Existing gypsum deck	(Optional) One or more layers, any combination, loose laid	0.5-inch SECUROCK Gypsum-Fiber Roof Board	Trufast Twin Loc-Nail Assembled Fastener, min. 1.3-inch embedment (Field W/D ≥ 134 lbf)	1 per 1.78 ft²	SBS-TA	(Optional) SBS-TA	SBS-TA	-37.5*
G-28.	Existing gypsum deck	One or more layers, any combination, loose laid	Min. 1.5-inch Fesco Foam or DuraFoam	JM Polymer Auger Fastener & Plate or JM UltraLok Fastener (Field W/D ≥ 240 lbf)	1 per 2.7 ft²	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-45.0*
G-29.	Existing gypsum deck	One or more layers, any combination, loose laid	Min. 0.75-inch Fesco Board (homogeneous) or DuraBoard	JM Polymer Auger Fastener & Plate or JM UltraLok Fastener (Field W/D ≥ 180 lbf)	1 per 2.0 ft²	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-45.0*
G-30.	Existing gypsum deck	(Optional) One or more layers, any combination, loose laid	0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard or min. 0.75-inch Fesco Board	Trufast Twin Loc-Nail Assembled Fastener (Field W/D ≥ 180 lbf)	1 per 2.0 ft²	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-45.0*
G-31.	Existing gypsum deck	(Optional) One or more layers, any combination, loose laid	0.5-inch SECUROCK Gypsum-Fiber Roof Board	Trufast Twin Loc-Nail Assembled Fastener, min. 1.3-inch embedment (Field W/D ≥ 180 lbf)	1 per 2.0 ft²	BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	(Optional) BP-AA, BP-CA1, BP-CA2, BP-CA3, SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3	SBS-AA, SBS-CA1, SBS-CA2, SBS-CA3, SBS-TA	-45.0*
G-32.	Existing gypsum deck	(Optional) One or more layers, any combination, loose laid	0.5-inch SECUROCK Gypsum-Fiber Roof Board	Trufast Twin Loc-Nail Assembled Fastener, min. 1.3-inch embedment (Field W/D ≥ 180 lbf)	1 per 2.0 ft²	SBS-TA	(Optional) SBS-TA	SBS-TA	-45.0*

TABLE 6E: GYPSUM DECKS – REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE E-2: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Type	Fastener (Note 11)	Attach	Base Ply	Cap Ply	
G-33.	Existing gypsum deck	DynaBase, GlasBase Plus, GlasPly Premier, PermaPly 28 or Ventsulation	JM Polymer Auger Fastener & Plate (Field W/D ≥ 159 lbf)	12-inch o.c. at the 4-inch lap and 36-inch o.c. in two, equally spaced, staggered center rows	BP-AA, BP-CA2, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2, SBS-TA	-45.0*
G-34.	Existing gypsum deck	PermaPly 28 or Ventsulation	Trufast Twin Loc-Nail Assembled Fastener (Field W/D ≥ 96 lbf)	9-inch o.c. at the 2-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows	BP-AA, BP-CA2, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2, SBS-TA	-45.0*
G-35.	Existing gypsum deck	DynaBase, GlasBase Plus, GlasPly Premier, PermaPly 28 or Ventsulation	JM UltraLok Fastener (Field W/D ≥ 100 lbf)	9-inch o.c. at the 4-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows	BP-AA, BP-CA2, SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2, SBS-TA	-45.0*
G-36.	Existing gypsum deck	DynaBase, GlasBase Plus, GlasPly Premier, PermaPly 28 or Ventsulation	JM UltraLok Fastener (Field W/D ≥ 133 lbf)	9-inch o.c. at the 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	BP-AA, BP-CA2, SBS-AA, SBS-CA2	SBS-AA, SBS-CA2	-75.0

TABLE 7A: RECOVER APPLICATIONS
SYSTEM TYPE A: 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 Note 1) or performance of the substrate (See Note 12). 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 (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)[A]
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
R-1	Existing asphaltic roof	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	hot asphalt	Min. 0.75-inch Fesco Board (homogeneous) (homogeneous) or min 0.5-inch DuraBoard	hot asphalt	BP-AA, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2, SBS-TA	-120.0
R-2	Existing asphaltic roof	Min. 0.75-inch FescoBoard or DuraBoard (homogeneous)	hot asphalt	(Optional) Min. 0.75-inch FescoBoard or DuraBoard (homogeneous)	hot asphalt	BP-AA, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2, SBS-TA	-167.5
R-3	Existing asphaltic roof	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	BP-AA, SBS-AA or SBS-TA	(Optional) BP-AA, SBS-AA or SBS-TA	SBS-AA or SBS-TA	-247.5
R-4	Existing asphaltic roof	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-TA	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-247.5
R-5	Existing asphaltic roof	Min. 1.5-inch ENRGY 3 CGF or ENRGY 3 25 PSI CGF	hot asphalt	Min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard or min. 0.75-inch Fesco Board (homogeneous)	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-277.5
R-6	Existing asphaltic roof	(Optional) ENRGY 3 CGF or ENRGY 3 25 PSI CGF	hot asphalt	Min. 1.5-inch Fesco Foam or DuraFoam	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-277.5
R-7	Existing asphaltic roof	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF or ENRGY 3 25 PSI AGF	hot asphalt	Min. 0.5-inch RetroPlus Board or DuraBoard	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-300.0
R-8	Existing asphaltic roof	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF or ENRGY 3 25 PSI AGF	hot asphalt	Min. 0.5-inch Retro-Fit Board or min. 0.75-inch Fesco Board (homogeneous) or DuraBoard	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-305.0
R-9	Existing asphaltic roof	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF or ENRGY 3 25 PSI AGF	hot asphalt	Min. 1.5-inch Fesco Foam or DuraFoam	hot asphalt	BP-AA, BP-CA2, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-305.0
R-10	Existing asphaltic roof	Min. 0.25-inch Invinsa Roof Board	JM-MBR-BA full coverage	None	N/A	SBS-SA	(Optional) SBS-TA	SBS-TA	-112.5
R-11	Existing asphaltic roof	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 0.25-inch Invinsa Roof Board	JM-UIA-TWO-PART	SBS-SA	(Optional) SBS-TA	SBS-TA	-82.5

TABLE 7A: RECOVER APPLICATIONS
SYSTEM TYPE A: 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 Note 1) or performance of the substrate (See Note 12). 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 (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)[A]
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
R-12	Existing asphaltic roof	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 1.5-inch Invinsa Foam	JM-UIA-TWO-PART	SBS-SA	(Optional) SBS-TA	SBS-TA	-82.5
R-13	Existing asphaltic roof	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	JM-UIA-TWO-PART	SBS-TA	(Optional) BP-CA1, BP-3, SBS-CA1 or SBS-CA3	SBS-CA1 or SBS-CA3	-105.0
R-14	Existing asphaltic roof	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 0.75-inch FescoBoard (homogeneous) or min. 0.5-inch DuraBoard	JM-UIA-TWO-PART	BP-CA2 or SBS-CA2	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-120.0
R-15	Existing asphaltic roof	Min. 0.75-inch FescoBoard (homogeneous), min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard	JM-UIA-TWO-PART	(Optional) Min. 0.75-inch FescoBoard (homogeneous), min. 0.5-inch Retro-Fit Board, RetroPlus Board or DuraBoard	JM-UIA-TWO-PART	BP-AA, SBS-AA or SBS-CA2	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2, SBS-TA	-120.0
R-16	Existing asphaltic roof	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	JM-UIA-TWO-PART	BP-AA, SBS-AA, SBS-CA2 or SBS-TA	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2,SBS-TA	-120.0
R-17	Existing asphaltic roof	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-UIA-TWO-PART	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	JM-UIA-TWO-PART	SBS-TA	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-120.0
R-18	Existing asphaltic roof	Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-RSUA or JM-OSFA	Min. 0.25-inch Invinsa Roof Board	JM-RSUA or JM-OSFA	SBS-SA	(Optional) SBS-TA	SBS-TA	-67.5
R-19	Existing asphaltic roof	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-RSUA or JM-OSFA	Min. 1.5-inch Invinsa Foam	JM-RSUA or JM-OSFA	SBS-SA	(Optional) SBS-TA	SBS-TA	-67.5
R-20	Existing asphaltic roof	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-RSUA or JM-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	JM-RSUA or JM-OSFA	SBS-TA	(Optional) BP-CA1, BP-3, SBS-CA1 or SBS-CA3	SBS-CA1 or SBS-CA3	-105.0
R-21	Existing asphaltic roof	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-RSUA or JM-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	JM-RSUA or JM-OSFA	BP-AA, SBS-AA, SBS-CA2 or SBS-TA	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2,SBS-TA	-180.0
R-22	Existing asphaltic roof	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	JM-RSUA or JM-OSFA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	JM-RSUA or JM-OSFA	SBS-TA	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-157.5

TABLE 7A: RECOVER APPLICATIONS
SYSTEM TYPE A: 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 Note 1) or performance of the substrate (See Note 12). 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 (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)[A]
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Ply	Cap Ply	
R-23	Existing asphaltic roof	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	BP-AA, SBS-AA, SBS-CA2 or SBS-TA	(Optional) BP-AA, BP-CA2 SBS-AA, SBS-CA2 or SBS-TA	SBS-AA, SBS-CA2 or SBS-TA	-262.5
R-24	Existing asphaltic roof	(Optional) Min. 1.5-inch ENRGY 3, ENRGY 3 25 PSI, ENRGY 3 AGF, ENRGY 3 25 PSI AGF, ENRGY 3 CGF or ENRGY 3 25 PSI CGF	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	SBS-TA	(Optional) BP-CA2 or SBS-CA2	SBS-CA2	-262.5