APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE

Table	Deck	Application	Type	Description	Page
1A-1	Wood	New or Reroof (Tear-Off)	A-2	Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	3
1A-2	Wood	New or Reroof (Tear-Off) or Recover	A-2	Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	3
1B	Wood	New, Reroof (Tear-Off) or Recover	B	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	3
1C	Wood	New, Reroof (Tear-Off) or Recover	C	Mech. Attached Insulation, Bonded Roof Cover	4
1D	Wood	New, Reroof (Tear-Off) or Recover	D	Prelim. Attached Insulation, Mech. Attached Base Sheet, Bonded Roof Cover	4
1E	Wood	New or Reroof (Tear-Off)	E	Non-Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	4
2A	Steel or Conc.	New, Reroof (Tear-Off) or Recover	B	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	5
2B	Steel or Conc.	New, Reroof (Tear-Off) or Recover	C	Mech. Attached Insulation, Bonded Roof Cover	6
2C	Steel or Conc.	New, Reroof (Tear-Off) or Recover	D	Prelim. Attached Insulation, Mech. Attached Base Sheet, Bonded Roof Cover	6
3A	Concrete	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	7
3B	Concrete	New or Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	7
4A	LWIC	New or Reroof (Tear-Off)	A-2	Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	8
4B	LWIC	New or Reroof (Tear-Off)	E	Mech. Attached Base Sheet, Bonded Roof Cover	9
4C	LWIC	New or Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	9
5A-1	CWF	New or Reroof (Tear-Off)	A-2	Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	10
5A-2	CWF	New, Reroof (Tear-Off) or Recover	A-2	Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	10
5B	CWF	New, Reroof (Tear-Off) or Recover	B	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	10
5C	CWF	New, Reroof (Tear-Off) or Recover	C	Mech. Attached Insulation, Bonded Roof Cover	11
5D-1	CWF	New or Reroof (Tear-Off)	E	Non-Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	11
5D-2	CWF	New, Reroof (Tear-Off) or Recover	E	Non-Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	11
6A-1	Gypsum	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	12
6A-2	Gypsum	Reroof (Tear-Off)	A-2	Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	12
6A-3	Gypsum	Reroof (Tear-Off) or Recover	A-2	Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	12
6B	Gypsum	Reroof (Tear-Off)	B	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	13
6C	Gypsum	Reroof (Tear-Off)	C	Mech. Attached Insulation, Bonded Roof Cover	13
6D-1	Gypsum	Reroof (Tear-Off)	E	Non-Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	13
6D-2	Gypsum	Reroof (Tear-Off) or Recover	E	Non-Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	13
7	Various	Recover	A-1	Bonded Insulation, Bonded Roof Cover	14

The following notes apply to the systems outlined herein:

1. The roof system evaluation herein pertains to above-deck roof components. Roof decks shall be in accordance with FBC requirements to the satisfaction of the AHJ. Wind load resistance of the roof deck shall be documented through proper codified and/or FBC Approval documentation.
2. Unless otherwise noted, fasteners and stress plates for insulation attachment shall be as follows. Fasteners shall be of sufficient length for the following engagements:
   - Wood Deck: UltraFast Fasteners or All Purpose Fasteners with UltraFast Metal Plates. Minimum ¾-inch plywood penetration or minimum 1-inch wood plank embedment.
   - Steel Deck: UltraFast Fasteners or All Purpose Fasteners with UltraFast Metal Plates. Minimum ¾-inch steel penetration and engage the top flute of the steel deck.
   - Concrete Deck: All Purpose Fasteners with UltraFast Metal Plates or Structural Concrete Fasteners with UltraFast Metal Plates (flat bottom only). Minimum 1-inch embedment. Fasteners 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 polyisocyanurate, polystyrene, wood fiberboard, perlite, gypsum-based roof board or Invinsa Roof Board that meets the QA requirements of F.A.C. Rule 61G20-3 and is documented as meeting FBC 1505.1 and, for foam plastic, FBC Chapter 26, when installed with the roof cover.
4. 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.
   - Hot asphalt (HA): Full coverage at 25-30 lbs/square
   - JM MBR Bonding Adhesive (MBR-BA): Continuous ¾-inch wide ribbons, 12-inch o.c. or full coverage at 2.0 gal/square
   - JM Two-Part Urethane Insulation Adhesive (UIA-2): Continuous ¾-inch wide ribbons, 12-inch o.c.
   - 3M CR-20: Continuous 2½ to 3½-inch ribbons, 12-inch o.c.
   - *Note: When multiple layers(s) of insulation and/or coverboard are installed in ribbon-applied adhesive, adhesive ribbons shall be staggered from layer-to-layer a distance of one-half the ribbon spacing.*
   - *Note: 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.*
5. 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:
   - JM Two-Part Urethane Insulation Adhesive (UIA-2): MDP = -315.0 psf (Min. 0.5-inch thick)
   - 3M CR-20: MDP = -117.5 psf (Min. 1.0-inch thick)
6. Bonded polyisocyanurate insulation boards shall be maximum 4 x 4 ft.
7. For mechanically attached components or partially bonded insulation, the maximum design pressure for the selected assembly shall meet or exceed the Zone 1 design pressure determined in accordance with FBC Chapter 16, and Zones 2 and 3 shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are RAS 117 and FM LPDS 1-29. Assemblies marked with an asterisk* carry the limitations set forth in Section 2.2.1.5.1(a) of FM LPDS 1-29 for Zone 2/3 enhancements.
8. For assemblies where all components are fully adhered, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with FBC Chapter 16, and no rational analysis is permitted.
9. 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 TAS 105 or ANSI/SPRI FX-1.
10. For existing substrates in a bonded recover installation, the existing roof surface shall be examined for compatibility and bond performance with the selected adhesive, and the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the AHJ, as documented through field uplift testing in accordance with ASTM E907, FM LPDS 1-52, ANSI/SPRI IA-1 or TAS 124.
11. 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. 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.
12. Unless otherwise noted, a JM BUR Roof Cover consists of hot asphalt applications of an optional base sheet of Glasbase, Glasbase Plus, PermaPly 28 or DynaBase followed by two or more plies of GlasPly IV or GlasPly Premier and an optional cap sheet of GlasKap, GlasKap Plus or GlasKap CR. Systems without a cap sheet shall be surfaced in accordance with JM requirements, meeting the fire resistance requirements of FBC 1505.1.
13. "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-1: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (See Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover	MDP (psf)
		Type	Fasteners	Attach	Type	Attach	Type	Attach		
W-1.	Min. 19/32" plywood at max. 24-inch span	GlasBase, GlasBase Plus, PermaPly No. 28 or Ventsulation base sheet	32 ga., 1-5/8" diameter tin caps with 11 ga. annular ring shank nails	12" o.c. at the 4-inch lap and 12" o.c. in two equally spaced, staggered center rows	One or more layers, any combination Min 1" ENRGY 3, JM ISO 3, Fesco Foam or Dura Foam; Min ½" Retro-Fit Board or Dura Board; Min ¾" Fesco Board	HA	Min 1.5" Fesco Foam or Dura Foam; Min ½" Retro-Fit Board or Dura Board; Min ¾" Fesco Board	HA	JM BUR. See Note 12.	-60.0

TABLE 1A-2: 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 (See Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover	MDP (psf)
		Type	Fasteners	Attach	Type	Attach	Type	Attach		
W-2.	Min. 19/32" plywood at max. 24-inch span	Two plies GlasBase, GlasBase Plus, PermaPly 28 or Ventsulation base sheet	See Note 2	9" o.c. at the 4-inch lap and 12" o.c. in two equally spaced, staggered center rows	One or more layers, any combination Min 1" ENRGY 3, JM ISO 3; Min 1.5" Fesco Foam or Dura Foam; Min ½" Retro-Fit Board or Dura Board; Min ¾" Fesco Board	HA	Min 1.5" Fesco Foam or Dura Foam; Min ½" Retro-Fit Board or Dura Board; Min ¾" Fesco Board	HA	JM BUR. See Note 12.	-52.5
W-3.	Min. 19/32" plywood at max. 24-inch span	GlasPly Premier base sheet	See Note 2	8" o.c. at the 3-inch lap and 8" o.c. in three equally spaced, staggered center rows	One or more layers, any combination Min 1" ENRGY 3, JM ISO 3, Fesco Foam or Dura Foam; Min ½" Retro-Fit Board or Dura Board; Min ¾" Fesco Board	HA	Min 1.5" Fesco Foam or Dura Foam; Min ½" Retro-Fit Board or Dura Board; Min ¾" Fesco Board	HA	JM BUR. See Note 12.	-52.5

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

System No.	Deck (See Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover	MDP (psf)
		Type	Fasteners	Attach	Type	Attach		
W-4.	Min. 19/32" plywood at max. 24-inch span	Min 1" ENRGY-3 or JM ISO 3 Min ¾" Fesco Board or DuraBoard	See Note 2	1 per 2ft^2	Min ¾" Fesco Board; Min 1.5" Fesco Foam or Dura Foam; Min ½" Retro-Fit Board or DuraBoard	HA	JM BUR. See Note 12.	-45.0*
W-5.	Min. 19/32" plywood at max. 24-inch span	Min. 1.4" ENRGY-3 or JM ISO 3, Min 1.5" Fesco Foam or Dura Foam	See Note 2	1 per 2.67ft^2	Min ¾" Fesco Board; Min 1.5" Fesco Foam or Dura Foam; Min ½" Retro-Fit Board or DuraBoard	HA	JM BUR. See Note 12.	-45.0*

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

System No.	Deck (See Note 1)	Base Insulation Layer		Top Insulation Layer			Roof Cover			MDP (psf)
		Type	Attach	Type	Fasteners	Attach	Base	Ply	Cap	
W-6.	Min. 19/32" plywood at max. 24-inch span	(Optional) One or more layers, any combination	Loose laid	Min ¾" Fesco Board Min ½" Retro-Fit Board or DuraBoard	See Note 2	1 per 2ft^2	JM BUR. See Note 12.			-45.0*
W-7.	Min. 19/32" plywood at max. 24-inch span	(Optional) One or more layers, any combination	Loose laid	Min 1.5" Fesco Foam or Dura Foam	See Note 2	1 per 2.67ft^2	JM BUR. See Note 12.			-45.0*

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

System No.	Deck (See Note 1)	Insulation Layer(s)		Base Sheet			Roof Cover		MDP (psf)
		Type	Attach	Base	Fasteners	Attach	Ply	Cap	
W-8.	Min. 19/32" plywood at max. 24-inch span	One or more layers, any combination	Prelim Attach	One ply of GlasPly Premier	See Note 2	8" o.c. at the 3-inch lap and 8" o.c. in three equally spaced, staggered center rows	One or more plies of GlasBase, GlasBase Plus, Perma Ply No. 28, GlasPly IV and/or GlasPly Premier (min 2 plies if no cap)	(Optional) One ply of GlasKap, GlasKap CR or GlasKap Plus	-52.5

TABLE 1E: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

System No.	Deck (See Note 1)	Base Sheet			Roof Cover		MDP (psf)
		Type	Fasteners	Attach	Ply	Cap	
W-9.	Min. 19/32" plywood at max. 24-inch span	GlasBase, GlasBase Plus, PermaPly 28 or Ventsulation	32 ga., 1-5/8" diameter tin caps with 11 ga. annular ring shank nails	9" o.c. at the 3-inch lap and 18" o.c. in two equally spaced, staggered center rows	One or more plies of GlasBase, GlasBase Plus, Perma Ply No. 28, GlasPly IV and/or GlasPly Premier (min 3 plies if no cap)	(Optional) One ply of GlasKap, GlasKap CR or GlasKap Plus	-45.0*
W-10.	Min. 19/32" plywood at max. 24-inch span	Two plies GlasBase, GlasBase Plus, PermaPly 28 or Ventsulation	32 ga., 1-5/8" diameter tin caps with 11 ga. annular ring shank nails	9" o.c. at the 3-inch lap and 12" o.c. in two equally spaced, staggered center rows			-52.5
W-11.	Min. 19/32" plywood at max. 24-inch span	GlasPly Premier base sheet	See Note 2	8" o.c. at the 3-inch lap and 8" o.c. in three equally spaced, staggered center rows			-52.5
W-12.	Min. 19/32" plywood at max. 24-inch span	GlasBase, GlasBase Plus, PermaPly 28 or Ventsulation	32 ga., 1-5/8" diameter tin caps with 11 ga. annular ring shank nails	9" o.c. at the 3-inch lap and 12" o.c. in two equally spaced, staggered center rows			-60.0

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

SYSTEM TYPE B: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

System No.	Deck (See Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover	MDP (psf)
		Type	Fasteners	Attach	Type	Attach		
S-1.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi concrete	Min 2" ENRGY 3, JM ISO 3	See Note 2	1 per 5.33ft^2	Min ½" Retro-Fit Board or DuraBoard	HA	JM BUR. See Note 12.	-45.0*
S-2.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi concrete	Min 1.4" ENRGY 3 or JM ISO 3	See Note 2	1 per 2.67ft^2	One or more Layers of Min 1.5" Fesco Foam or DuraFoam, Min ¾" Fesco(Tapered) or Min ½" Retro-Fit	HA	JM BUR. See Note 12.	-45.0*
S-3.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi concrete	Min 2" ENRGY 3 or JM ISO 3, Min 1.5" Fesco Foam	See Note 2	1 per 4ft^2	One or more Layers of Min 1.5" Fesco Foam or DuraFoam, Min ¾" Fesco(Tapered) or Min ½" Retro-Fit	HA	JM BUR. See Note 12.	-45.0*
S-4.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi concrete	Min ¾" Fesco	See Note 2	1 per 2ft^2	One or more Layers of Min 1.5" Fesco Foam or DuraFoam, Min ¾" Fesco(Tapered), or Min ½" Retro-Fit	HA	JM BUR. See Note 12.	-45.0*
S-5.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi concrete	Min 1.5" ENRGY 3 or JM ISO 3, Fesco Foam or Dura Foam	See Note 2	1 per 2ft^2	Min 1.5" Fesco Foam or Dura Foam, Min ½" Retro-Fit Board or DuraBoard or Min ¾" Tapered Fesco or Fesco Board	HA	JM BUR. See Note 12.	-45.0*
S-6.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi concrete	Min 1" Fesco Board or Dura Board	See Note 2	1 per 2ft^2	Min 1.5" Fesco Foam or Dura Foam, Min ½" Retro-Fit Board or DuraBoard or Min ¾" Tapered Fesco or Fesco Board	HA	JM BUR. See Note 12.	-45.0*
S-7.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi concrete	Min 1.5" ENRGY 3, JM ISO 3, Fesco Foam, Dura Foam	See Note 2	1 per 1.78ft^2	Min 1.5" Fesco Foam, Dura Foam, Min ½" Retro-Fit Board or DuraBoard or Min ¾" Fesco Board	HA	JM BUR. See Note 12.	-60.0
S-8.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi concrete	Min 2" ENRGY 3, JM ISO 3, Fesco Foam, Dura Foam	See Note 2	1 per 1.45ft^2	Min ½" Retro-Fit Board or DuraBoard	HA	JM BUR. See Note 12.	-75.0

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

SYSTEM TYPE C: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

System No.	Deck (See Note 1)	Base Insulation Layer		Top Insulation Layer			Roof Cover	MDP (psf)
		Type	Attach	Type	Fasteners	Attach		
S-9.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi concrete	(Optional) One or more layers, any combination	Loose laid	Min 1.5" Fesco Foam	See Note 2	1 per 4ft^2	JM BUR. See Note 12.	-45.0*
S-10.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi concrete	(Optional) One or more layers, any combination	Loose laid	Min. 1" Fesco Board or min. 1/2" Retro-Fit Board	See Note 2	1 per 2ft^2	JM BUR. See Note 12.	-45.0*
S-11.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi concrete	Min. 1.5" ENRGY 3 or JM ISO 3	Loose laid	Min ¾" Fesco Board or DuraBoard	See Note 2	1 per 1.33ft^2	JM BUR. See Note 12.	-75.0

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

SYSTEM TYPE D: PRELIMINARILY ATTACHED INSULATION, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

System No.	Deck (See Note 1)	Insulation Layer(s)		Base or Anchor Sheet			Roof Cover		MDP (psf)
		Type	Attach	Base	Fasteners	Attach	Ply	Cap	
S-12.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi concrete	One or more layers, any combination	Prelim Attach	One ply of PermaPly 28, DynaBase, GlasBase Plus, DynaBase or Ventsulation	See Note 2	9" o.c. at the 4-inch lap and 18" o.c. in two equally spaced, staggered center rows	One or more plies of GlasBase, GlasBase Plus, Perma Ply 28, GlasPly IV and/or GlasPly Premier (min 3 plies if no cap)	(Optional) One ply of GlasKap, GlasKap CR or GlasKap Plus	-45.0*
S-13.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi concrete	One or more layers, any combination, loose laid Min 1.5" ENRGY-3 or JM ISO 3	Prelim. Attached	One ply of PermaPly 28, DynaBase, GlasBase Plus, DynaBase or Ventsulation	See Note 2	9" o.c. at the 4-inch lap and 12" o.c. in two equally spaced, staggered center rows			-97.5

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

System No.	Deck (See Note 1)	Base Insulation Layer		Top Insulation Layer		Roof Cover	MDP (psf)
		Type	Attach	Type	Attach		
C-1.	Min. 2,500 psi concrete	Min ¾" Fesco Board	HA	(Optional) Additional layers of base insulation	HA	JM BUR. See Note 12.	-112.0
C-2.	Min. 2,500 psi concrete	Min 1.5" ENRGY-3 or JM ISO 3	HA or MBR Adhesive	Min ¾" Fesco Board or DuraBoard	HA or MBR Adhesive	JM BUR. See Note 12.	-120.0
C-3.	Min. 2,500 psi concrete, primed	Min 1.5" Dura Foam or Fesco Foam, Min 1.75" ENRGY-3 or JM ISO 3	HA	Min ¾" Fesco Board or DuraBoard	HA	JM BUR. See Note 12.	-126.5
C-4.	Min. 2,500 psi concrete, primed	Min 1.5 " ENRGY-3 or JM ISO 3, Min ¾" Fesco Board, Min ½" Retro-Fit Board or DuraBoard	HA	Min ¾" Fesco Board Min ½" Retro-Fit Board or DuraBoard	HA	JM BUR. See Note 12.	-150.0
C-5.	Min. 2,500 psi concrete, primed	Min 1.5" Dura Foam or Fesco Foam, Min 1.4" ENRGY-3 or JM ISO 3	HA	Min. ½" Retro-Fit or DuraBoard	HA	JM BUR. See Note 12.	-155.0
C-6.	Min. 2,500 psi concrete	Min. ¾-inch FescoBoard (homogeneous)	UIA-2	(Optional) Min. ¾-inch FescoBoard (homogeneous)	UIA-2	JM BUR. See Note 12.	-285.0
C-7.	Min. 2,500 psi concrete	Min. ½-inch Retro-Fit Board or DuraBoard	UIA-2	(Optional) Min. ½-inch Retro-Fit Board or DuraBoard	UIA-2	JM BUR. See Note 12.	-305.0
C-8.	Min. 2,500 psi concrete, primed	Min 1.5 " ENRGY-3 or JM ISO 3, Min ¾" Fesco Board, Min ½" Retro-Fit Board or DuraBoard	HA	Min. 1.5" Fesco Foam or DuraFoam, Min ¾" Fesco Board, Min ½" Retro-Fit Board or DuraBoard	HA	JM BUR. See Note 12.	-305.0
C-9.	Min. 2,500 psi concrete	(Optional) Min. 1.5-inch ENRGY 3	UIA-2 or CR-20	Min. ¼-inch SECUROCK Gypsum-Fiber Roof Board	UIA-2 or CR-20	JM BUR. See Note 12.	-442.5
C-10.	Min. 2,500 psi concrete	(Optional) Min. 1.5-inch ENRGY 3	HA or OlyBond Classic full coverage	Min. ¼-inch SECUROCK Gypsum-Fiber Roof Board	HA or OlyBond Classic full coverage	JM BUR. See Note 12.	-495.0

TABLE 3B: CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER

System No.	Deck (See Note 1)	Roof Cover			MDP (psf)
		Base	Ply	Cap	
C-11.	Min. 2,500 psi concrete, primed	One ply of Ventsulation Felt Base Sheet	Two or more plies of GlasPly IV or GlasPly Premier	(Optional) One ply of GlasKap, GlasKap CR or GlasKap Plus	-220.0
C-12.	Min. 2,500 psi concrete, primed	One or more plies of GlasBase, GlasBase Plus, PermaPly 28, DynaBase, GlasPly IV or GlasPly Premier			-275.0

TABLE 4A: 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 (See Notes 1 & 11)	Anchor Sheet			Insulation			Roof Cover	MDP (psf)
		Type	Fasteners	Attach	Base	Top	Attach		
LWC-1.	Cellular or Aggregate Lightweight Concrete (250 psi Min.) over min. 22 ga. steel or concrete deck.	One ply of GlasPly Premier	JM LWC Base Sheet Fasteners	9" o.c. at the 3-inch lap and 12" o.c. in two equally spaced, staggered center rows	One or more layers Min 1" ENRGY-3 or JM ISO 3, Min 1.5" Fesco Foam or Dura Foam, Min ½" Retro-Fit Board or DuraBoard or Min. ¾" Fesco Board	Min ¾" Tapered Fesco Board	HA	JM BUR. See Note 12.	-52.5
LWC-2.	Cellular or Aggregate Lightweight Concrete over min. 22 ga. steel or concrete deck.	One ply of Dynabase, Ventsulation, GlasBase Plus or PermaPly 28 base	JM LWC Base Sheet Fasteners	7" o.c. at the 3-inch lap and 7" o.c. in two equally spaced, staggered center rows	One or more layers Min 1" ENRGY-3 or JM ISO 3, Min 1.5" Fesco Foam or Dura Foam, Min ½" Retro-Fit Board or DuraBoard or Min. ¾" Fesco Board	Min 1.5" Fesco Foam or Dura Foam, Min ½" Retro-Fit Board or DuraBoard or Min. ¾" Fesco Board	HA	JM BUR. See Note 12.	-52.5
LWC-3.	Min. 300 psi, minimum 2¼-inch thick Concrecel LWIC over min. 22 ga. steel or concrete deck.	One ply of GlasPly Premier	JM LWC Base Sheet Fasteners	7" o.c. at the 3-inch lap and 7" o.c. in two equally spaced, staggered center rows	One or more layers Min 1" ENRGY-3 or JM ISO 3, Min 1.5" Fesco Foam or Dura Foam, Min ½" Retro-Fit Board or DuraBoard or Min. ¾" Fesco Board	Min ½" Retro-Fit Board or DuraBoard or Min. ¾" Fesco Board	HA	JM BUR. See Note 12.	-82.5

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

System No.	Deck		Base Sheet			Roof Cover		MDP (psf)
	Deck (Note 1)	LWC (Note 11)	Type	Fasteners	Attach	Ply	Cap	
LWC-4.	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 250 psi, minimum 2-inch thick cellular LWIC	PermaPly 28, DynaBase, Vensulation or Glasply Premier	JM LWC Base Sheet Fasteners	9" o.c. at the 4-inch lap and 12" o.c. in two, equally spaced, staggered center rows	Two or more plies of GlasBase, GlasBase Plus, Perma Ply 28, GlasPly IV and/or GlasPly Premier (min 3 plies if no cap)	(Optional) One ply of GlasKap, GlasKap CR or GlasKap Plus	-52.5
LWC-5.	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 300 psi, minimum 2-inch thick cellular LWIC	GlasBase Plus, PermaPly 28 or Ventsulation	JM LWC Base Sheet Fasteners	7" o.c. at the 3-inch lap and 7" o.c. in two, equally spaced, staggered center rows	Two or more plies of GlasBase, GlasBase Plus, Perma Ply 28, GlasPly IV and/or GlasPly Premier (min 3 plies if no cap)	(Optional) One ply of GlasKap, GlasKap CR or GlasKap Plus	-52.5
LWC-6.	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 250 psi, minimum 2-inch thick cellular LWIC	PermaPly 28	JM UltraLok 1.8" Fasteners	9" o.c. at the 4-inch lap and 9" o.c. in two, equally spaced, staggered center rows	Two or more plies of GlasBase, GlasBase Plus, Perma Ply 28, GlasPly IV and/or GlasPly Premier (min 3 plies if no cap)	(Optional) One ply of GlasKap, GlasKap CR or GlasKap Plus	-60.0
LWC-7.	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 250 psi, minimum 2-inch thick cellular LWIC	DynaBase	JM Ultra-Lok 1.8" Fasteners	9" o.c. at the 4-inch lap and 9" o.c. in two, equally spaced, staggered center rows	Two or more plies of GlasBase, GlasBase Plus, Perma Ply 28, GlasPly IV and/or GlasPly Premier (min 3 plies if no cap)	(Optional) One ply of GlasKap, GlasKap CR or GlasKap Plus	-75.0
LWC-8.	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 300 psi, minimum 2-inch thick cellular LWIC	DynaBase, Ventsulation or Glasply Premier	See Note 2 (Through to the structural deck)	7" o.c. at the 4-inch lap and 7" o.c. in two, equally spaced, staggered center rows	Two or more plies of GlasBase, GlasBase Plus, Perma Ply 28, GlasPly IV and/or GlasPly Premier (min 3 plies if no cap)	(Optional) One ply of GlasKap, GlasKap CR or GlasKap Plus	-75.0
LWC-9.	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 300 psi, minimum 2-inch thick Celcore LWIC	DynaBase, PermaPly 28, Ventsulation or GlasPly Premier	JM LWC Base Sheet Fasteners	7" o.c. at the 4-inch lap and 7" o.c. in two, equally spaced, staggered center rows	Two or more plies of GlasBase, GlasBase Plus, Perma Ply 28, GlasPly IV and/or GlasPly Premier (min 3 plies if no cap)	(Optional) One ply of GlasKap, GlasKap CR or GlasKap Plus	-75.0
LWC-10.	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 300 psi, minimum 2¼-inch thick Concrecel LWIC	GlasPly Premier, PermaPly 28 or Ventsulation	JM LWC Base Sheet Fasteners	7" o.c. at the 3-inch lap and 7" o.c. in two, equally spaced, staggered center rows	Two or more plies of GlasBase, GlasBase Plus, Perma Ply 28, GlasPly IV and/or GlasPly Premier (min 3 plies if no cap)	(Optional) One ply of GlasKap, GlasKap CR or GlasKap Plus	-82.5

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

System No.	Deck		Base			Roof Cover		MDP (psf)
	Deck (See Note 1)	LWC (Note 11)	Type	Adhesive / Fasteners	Attach	Ply	Cap	
LWC-11.	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 300 psi, minimum 2¼-inch thick Concrecel LWIC	GlasPly Premier	Hot asphalt	50% strip mopped	One or more plies of GlasBase, GlasBase Plus, Perma Ply 28, GlasPly IV and/or GlasPly Premier (min 2 plies if no cap)	(Optional) One ply of GlasKap, GlasKap CR or GlasKap Plus	-67.5
LWC-12.	Min. 22 ga, type B, Grade 33 steel or structural concrete	Min. 300 psi, minimum 2¼-inch thick Concrecel LWIC	GlasPly Premier	Hot asphalt and JM LWC Base Sheet Fasteners	50% strip mopped plus fasteners 4" o.c. at the 4-inch lap and 4" o.c. in four, equally spaced center rows	One or more plies of GlasBase, GlasBase Plus, Perma Ply 28, GlasPly IV and/or GlasPly Premier (min 2 plies if no cap)	(Optional) One ply of GlasKap, GlasKap CR or GlasKap Plus	-146.0

TABLE 5A-1: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)

SYSTEM TYPE A-2: MECHANICALLY FASTENED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (See Note 1)	Anchor Sheet			Insulation			Roof Cover	MDP (psf)
		Type	Fasteners	Attach	Base	Top	Attach		
CWF-1.	Tectum or Fibroplank	GlasBase Plus, PermaPly 28 or Ventsulation	JM Polymer Auger Fasteners and Plates	9" o.c. at the 4-inch lap and 12" o.c. in two, equally spaced, staggered center rows	(Optional) One or more layers Min 1" ENRGY-3 or JM ISO 3	Min ½" Retro-Fit Board or DuraBoard Min ¾" Fesco Board	HA	JM BUR. See Note 12.	-45.0*

TABLE 5A-2: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER

SYSTEM TYPE A-2: MECHANICALLY FASTENED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (See Note 1)	Anchor Sheet			Insulation			Roof Cover	MDP (psf)
		Type	Fasteners	Attach	Base	Top	Attach		
CWF-2.	Tectum or Fibroplank	GlasPly Premier	JM UltraLok Fasteners Min 1" Embedment	9" o.c. at the 3-inch lap and 12" o.c. in two, equally spaced, staggered center rows	(Optional) One or more layers Min 1" ENRGY-3 or JM ISO 3	Min ½" Retro-Fit Board or DuraBoard Min ¾" Fesco Board	HA	JM BUR. See Note 12.	-82.5

TABLE 5B: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)

SYSTEM TYPE B: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

System No.	Deck (See Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover	MDP (psf)
		Type	Fasteners	Attach	Type	Attach		
CWF-3.	Tectum or Fibroplank	Min 1.3" ENRGY-3 or JM ISO 3	JM Polymer Auger Fasteners and Plates	1 per 3 ft^2	Min ¾" Fesco Board or DuraBoard	HA	JM BUR. See Note 12.	-45.0*
CWF-4.	Tectum or Fibroplank	Min 1.5" Fesco Foam or Dura Foam	JM Polymer Auger Fasteners and Plates	1 per 4 ft^2	(Optional) Min ¾" Fesco Board or DuraBoard	HA	JM BUR. See Note 12.	-45.0*
CWF-5.	Tectum or Fibroplank	Min ¾" Fesco Board or DuraBoard	JM Polymer Auger Fasteners and Plates	1 per 2 ft^2	(Optional) Min ¾" Fesco Board or DuraBoard	HA	JM BUR. See Note 12.	-45.0*

TABLE 5C: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)

SYSTEM TYPE C: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

System No.	Deck (See Note 1)	Base Insulation Layer		Top Insulation Layer			Roof Cover	MDP (psf)
		Type	Attach	Type	Fasteners	Attach		
CWF-6.	Tectum or Fibroplank	(Optional) One or more layers, any combination	Loose laid	Min 1.5" Fesco Foam or Dura Foam	JM Polymer Auger Fasteners and Plates	1 per 4ft^2	JM BUR. See Note 12.	-45.0*
CWF-7.	Tectum or Fibroplank	(Optional) One or more layers, any combination	Loose laid	Min ¾" Fesco Board Min ½" Retro-Fit Board or DuraBoard	JM Polymer Auger Fasteners and Plates	1 per 2ft^2	JM BUR. See Note 12.	-45.0*

TABLE 5D-1: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)

SYSTEM TYPE E: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

System No.	Deck (See Note 1)	Base Sheet			Roof Cover		MDP (psf)
		Type	Fasteners	Attach	Ply	Cap	
CWF-8.	Tectum or Fibroplank	GlasBase Plus, PermaPly 28 or Vensulation	JM Polymer Auger Fasteners and Plates	9" o.c. at the 4-inch lap and 12" o.c. in two, equally spaced, staggered center rows	Two or more plies of GlasBase, GlasBase Plus, Perma Ply 28, GlasPly IV and/or GlasPly Premier (min 3 plies if no cap)	(Optional) One ply of GlasKap, GlasKap CR or GlasKap Plus	-45.0*

TABLE 5D-2: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER

SYSTEM TYPE E: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

System No.	Deck (See Note 1)	Base Sheet			Roof Cover		MDP (psf)
		Type	Fasteners	Attach	Ply	Cap	
CWF-9.	Tectum or Fibroplank	GlasPly Premier	UltraLok Nail Fasteners Min 1" Embedment	9" o.c. at the 3-inch lap and 12" o.c. in two, equally spaced, staggered center rows	Two or more plies of GlasBase, GlasBase Plus, Perma Ply 28, GlasPly IV and/or GlasPly Premier (min 3 plies if no cap)	(Optional) One ply of GlasKap, GlasKap CR or GlasKap Plus	-82.5

TABLE 6A-1: GYPSUM DECKS – REROOF (TEAR-OFF)

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

System No.	Deck	Base Insulation Layer		Top Insulation Layer		Roof Cover	MDP (psf)
		Type	Attach	Type	Attach		
G-1.	Existing sound gypsum or gypsum plank	(Optional) Min. 1.5-inch ENRGY-3	UIA-2	Min. ½-inch Retro-Fit Board or DuraBoard or min. ¾-inch Fesco Board	UIA-2	JM BUR. See Note 12.	-112.5
G-2.	Existing sound gypsum or gypsum plank	(Optional) Min. 1.5-inch ENRGY-3	UIA-2	Min. ¼-inch SECUROCK Gypsum-Fiber Roof Board	UIA-2	JM BUR. See Note 12.	-112.5
G-3.	Existing sound gypsum or gypsum plank	Min. 1.5-inch ENRGY-3	CR-20	Min. ¼-inch SECUROCK Gypsum-Fiber Roof Board	CR-20	JM BUR. See Note 12.	-257.5

TABLE 6A-2: GYPSUM DECKS – REROOF (TEAR-OFF)

SYSTEM TYPE A-2: MECHANICALLY FASTENED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (See Note 1)	Anchor Sheet			Insulation			Roof Cover	MDP (psf)
		Type	Fasteners	Attach	Base	Top	Attach		
G-4.	Existing sound gypsum or gypsum plank	GlasBase Plus, PermaPly 28 or Ventsulation	JM Polymer Auger Fasteners and Plates	9” o.c. at the 4-inch lap and 12” o.c. in two, equally spaced, staggered center rows	(Optional) One or more layers Min 1” ENRGY-3 or JM ISO 3	Min ½” Retro-Fit Board or DuraBoard Min ¾” Fesco Board	HA	JM BUR. See Note 12.	-45.0*

TABLE 6A-2: GYPSUM DECKS – REROOF (TEAR-OFF) OR RECOVER

SYSTEM TYPE A-2: MECHANICALLY FASTENED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (See Note 1)	Anchor Sheet			Insulation			Roof Cover	MDP (psf)
		Type	Fasteners	Attach	Base	Top	Attach		
G-5.	Existing sound gypsum or gypsum plank	GlasPly Premier	JM UltraLok Fasteners Min 1” Embedment	9” o.c. at the 3-inch lap and 12” o.c. in two, equally spaced, staggered center rows	(Optional) One or more layers Min 1” ENRGY-3 or JM ISO 3	Min ½” Retro-Fit Board or DuraBoard Min ¾” Fesco Board	HA	JM BUR. See Note 12.	-75.0

TABLE 6B: GYPSUM DECKS – REROOF (TEAR-OFF)

SYSTEM TYPE B: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

System No.	Deck (See Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover	MDP (psf)
		Type	Fasteners	Attach	Type	Attach		
G-6.	Existing sound gypsum or gypsum plank	Min 1.3" ENRGY-3 or JM ISO 3	JM Polymer Auger Fasteners and Plates	1 per 2.67 ft^2	Min ¾" Fesco Board or DuraBoard or Min ½" Retro-Fit Board	HA	JM BUR. See Note 12.	-45.0*
G-7.	Existing sound gypsum or gypsum plank	Min. ¾" Fesco Board or DuraBoard	JM Polymer Auger Fasteners and Plates	1 per 2 ft^2	Min ¾" Fesco Board or DuraBoard or Min ½" Retro-Fit Board	HA	JM BUR. See Note 12.	-45.0*

TABLE 6C: GYPSUM DECKS – REROOF (TEAR-OFF)

SYSTEM TYPE C: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

System No.	Deck (See Note 1)	Base Insulation Layer		Top Insulation Layer			Roof Cover	MDP (psf)
		Type	Attach	Type	Fasteners	Attach		
G-8.	Existing sound gypsum or gypsum plank	(Optional) One or more layers, any combination	Loose laid	Min 1.5" Fesco Foam or Dura Foam, Min ¾" Fesco Board, Min ½" Retro-Fit Board or DuraBoard	JM Polymer Auger Fasteners and Plates	1 per 2.67ft^2	JM BUR. See Note 12.	-45.0*

TABLE 6D-1: GYPSUM DECKS – REROOF (TEAR-OFF)

SYSTEM TYPE E: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

System No.	Deck (See Note 1)	Base Sheet			Roof Cover		MDP (psf)
		Type	Fasteners	Attach	Ply	Cap	
G-9.	Existing sound gypsum or gypsum plank	GlasBase Plus, PermaPly 28 or Vensulation	JM Polymer Auger Fasteners and Plates	9" o.c. at the 4-inch lap and 12" o.c. in two, equally spaced, staggered center rows	Two or more plies of GlasBase, GlasBase Plus, Perma Ply 28, GlasPly IV and/or GlasPly Premier (min 3 plies if no cap)	(Optional) One ply of GlasKap, GlasKap CR or GlasKap Plus	-45.0*

TABLE 6D-2: GYPSUM DECKS – REROOF (TEAR-OFF) OR RECOVER

SYSTEM TYPE E: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

System No.	Deck (See Note 1)	Base Sheet			Roof Cover		MDP (psf)
		Type	Fasteners	Attach	Ply	Cap	
G-10.	Existing sound gypsum or gypsum plank	GlasPly Premier	UltraLok Nail Fasteners Min 1" Embedment	9" o.c. at the 3-inch lap and 12" o.c. in two, equally spaced, staggered center rows	Two or more plies of GlasBase, GlasBase Plus, Perma Ply 28, GlasPly IV and/or GlasPly Premier (min 3 plies if no cap)	(Optional) One ply of GlasKap, GlasKap CR or GlasKap Plus	-82.5

TABLE 7: WIND UPLIFT PERFORMANCE –RECOVER APPLICATIONS

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

System No.	Substrate (See Note 10)	Base Insulation Layer		Top Insulation Layer		Roof Cover			MDP (psf)
		Type	Attach	Type	Attach	Base	Ply	Cap	
R-1.	Existing asphaltic roof	Min 1.5" ENRGY-3 or JM ISO 3	HA or MBR-BA	Min ¾" Fesco Board or DuraBoard	HA or MBR-BA	JM BUR. See Note 12.			-120.0
R-2.	Existing asphaltic roof	Min. ¾-inch FescoBoard (homogeneous), min. ½-inch Retro-Fit Board or DuraBoard	UIA-2	(Optional) Min. ¾-inch FescoBoard (homogeneous), min. ½-inch Retro-Fit Board or DuraBoard	UIA-2	JM BUR. See Note 12.			-120.0
R-3.	Existing asphaltic roof	(Optional) Min. 1.5-inch ENRGY 3	UIA-2	Min. ¼-inch SECUROCK Gypsum-Fiber Roof Board	UIA-2	JM BUR. See Note 12.			-120.0
R-4.	Existing asphaltic roof	Min. ¾-inch FescoBoard or DuraBoard (homogeneous)	HA	(Optional) Min. ¾-inch FescoBoard or DuraBoard (homogeneous)	HA	JM BUR. See Note 12.			-167.5
R-5.	Existing asphaltic roof	(Optional) Min. 1.5-inch ENRGY 3	CR-20	Min. ¼-inch SECUROCK Gypsum-Fiber Roof Board	CR-20	JM BUR. See Note 12.			-262.5
R-6.	Existing asphaltic roof	Min. 1.5-inch ENRGY 3	HA	Min. ½-inch Retro-Fit Board or min. ¾-inch Fesco Board or DuraBoard	HA	JM BUR. See Note 12.			-305.0
R-7.	Existing asphaltic roof	(Optional) Min. 1.5-inch ENRGY 3	HA	Min. 1.5-inch Fesco Foam or DuraFoam	HA	JM BUR. See Note 12.			-305.0
R-8.	Existing asphaltic roof	(Optional) Min. 1.5-inch ENRGY 3	HA	Min. ¼-inch SECUROCK Gypsum-Fiber Roof Board	HA	JM BUR. See Note 12.			-420.0