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ENGINEER **EVALUATE** **TEST** **CONSULT**

EVALUATION REPORT

IB Roof Systems, Inc.
506 E. Dallas Road, Suite 300
Grapevine, TX 76051
(800) 426-1626

Evaluation Report 16060.09.17-R6
FL23802-R6
Date of Issuance: 10/10/2017
Revision 6: 09/27/2021

SCOPE:
This Evaluation Report is issued under **Rule 61G20-3** and the applicable rules and regulations governing the use of construction materials in the State of Florida. The documentation submitted has been reviewed by Robert Nieminen, P.E. for use of the product under the Florida Building Code. The product described herein has been evaluated for compliance with the **7th Edition (2020) Florida Building Code, High Velocity Hurricane Zone (HVHZ)** sections noted herein.

DESCRIPTION: IB Single Ply Roof Systems for use in FBC HVHZ jurisdictions

LABELING: Labeling shall be in accordance with the requirements of the Accredited Quality Assurance Agency noted herein.
CONTINUED COMPLIANCE: This Evaluation Report is valid until such time as the named product(s) changes, the referenced Quality Assurance or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our Evaluation Reports by the named client constitutes agreement to notify NEMO ETC, LLC of any changes to the product(s), the Quality Assurance or the production facility location(s). NEMO ETC, LLC requires a complete review of its Evaluation Report relative to updated Code requirements with each Code Cycle.
ADVERTISEMENT: The Florida Product Approval Number (FL#) preceded by the words "**NEMO Evaluated**" may be displayed in advertising literature. If any portion of the Evaluation Report is displayed, then it shall be done in its entirety.
INSPECTION: Upon request, a copy of this entire Evaluation Report shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This Evaluation Report consists of pages 1 through 4, plus a 35-page Appendix.

Prepared by:

Robert J.M. Nieminen, P.E.
Florida Registration No. 59166, Florida DCA ANE1983

The facsimile seal appearing was authorized by Robert Nieminen, P.E. on 09/27/2021. This does not serve as an electronically signed document.

CERTIFICATION OF INDEPENDENCE:
1. NEMO ETC, LLC does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products it evaluates.
2. NEMO ETC, LLC is not owned, operated or controlled by any company manufacturing or distributing products it evaluates.
3. Robert Nieminen, P.E. does not have nor will acquire, a financial interest in any company manufacturing or distributing products for which the evaluation reports are being issued.
4. Robert Nieminen, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.
5. This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

ROOFING SYSTEMS EVALUATION:

1. SCOPE:

Product Category: Roofing
Sub-Category: Single Ply Roof Systems

Compliance Statement: **IB Single-Ply Roof Systems**, as produced by **IB Roof Systems, Inc.**, have demonstrated compliance with the following sections of the **7th Edition (2020) Florida Building Code, High Velocity Hurricane Zone (HVHZ)** through testing in accordance with the following Standards. Compliance is subject to the Installation Requirements and Limitations / Conditions of Use set forth herein.

2. STANDARDS:

Section	Property	Standard	Year
TAS 110	Resistance to Foot Traffic	TAS 114, Section 8.9	2011
TAS 110	Wind resistance	TAS 114, Appendix C, D or J	2011
TAS 110	Susceptibility Hail Damage	TAS 114, Appendix F	2011
TAS 110	Susceptibility to Leakage	TAS 114, Appendix G	2011
TAS 110	Material standard	ASTM D4434	2012

3. REFERENCES:

Entity	Examination	Reference	Date
ERD (TST6049)	ASTM D4434	SC9875.10.16	10/27/2016
NEMO (TST6049)	ASTM D4434 / G154	4r-CGT-19-SSTHP-01.A	02/19/2020
NEMO (TST6049)	ASTM D4434 / G154	4r-CGT-19-SSTHP-01.B	02/19/2020
ERD (TST6049)	TAS 114	I11110.11.08-2	12/01/2008
ERD (TST6049)	TAS 114	I11110.02.09	02/05/2009
ERD (TST6049)	TAS 117(A)	SC5790.04.14	04/21/2014
ERD (TST6049)	TAS 114	SC5160.01.15-R1	02/03/2015
ERD (TST6049)	TAS 114	IBR-SC10205.03.16	03/03/2016
ERD (TST6049)	TAS 114	SC10010.02.16-R1	07/06/2016
ERD (TST11294)	TAS 114	CTL12090.12.16	12/08/2016
ERD (TST6049)	TAS 114	SC12085.12.16-1	12/13/2016
ERD (TST6049)	TAS 114	SC12085.12.16-2	12/13/2016
ERD (TST6049)	Criticality	ICP-SC15630.09.17	09/06/2017
ERD (TST6049)	Criticality	ICP-SC16225.09.17	09/06/2017
ERD (TST6049)	TAS 114	IBR-SC13490.17	09/27/2017
ERD (TST11294)	TAS 114	IBR-CTL13490.17	09/29/2017
FM (TST1867)	FM 4470	2D5A9.AM	06/22/1999
FM (TST1867)	FM 4470	3005937	11/23/1999
FM (TST1867)	FM 4470	3005938	11/23/1999
FM (TST1867)	FM 4470	3009502	12/21/2000
FM (TST1867)	FM 4470	3015444	07/11/2003
FM (TST1867)	FM 4470	3014692	08/05/2003
FM (TST1867)	FM 4470	3014751	08/27/2003
FM (TST1867)	FM 4470/4474	3012321	07/29/2006
FM (TST1867)	FM 4470/4474	3022560	07/07/2006
FM (TST1867)	FM 4470/4474	3024973	11/10/2006
FM (TST1867)	FM 4470/4474	3026528	11/21/2006
FM (TST1867)	FM 4470/4474	3029864	09/06/2007
FM (TST1867)	FM 4470/4474	3055491	12/05/2016
FM (TST1867)	FM 4470/4474	3063970	09/14/2018
FM (TST1867)	Criticality	PR456960 LTR	02/09/2021
NEMO (TST6049)	FM 4474	4a-ICP-19-LSWUS-01.A	11/08/2019
NEMO (TST6049)	Criticality	4i-IBR-19-SSCRT-01.A	11/14/2019
NEMO (TST6049)	Criticality	4i-IBR-20-SSCRT-01.A	07/09/2020
NEMO (TST6049)	FM 4474	4a-IBR-20-LSWUS-01.A	12/15/2020

Entity	Examination	Reference	Date
NEMO (TST6049)	Criticality	4i-IBR-21-SSCRT-01.A	09/27/2021
NEMO	Traceability	FBC Cross-Listing	07/22/2021
Supplier / Manufacturer	Quality Control	Declaration	09/15/2016
UL, LLC. (QUA9625)	Quality Control	MLA	10/31/2016
UL, LLC. (QUA9625)	Quality Control	Service Confirmation	12/10/2020
UL, LLC. (QUA9625)	Traceability	ML File No. R15546	07/13/2021
UL, LLC. (QUA9625)	Quality Control	Florida BCIS	Current

4. PRODUCT DESCRIPTION:

This Evaluation Report covers **IB Single Ply Roof Systems** installed in accordance with **IB Roof Systems, Inc** published installation instructions and the Limitations / Conditions of Use herein.

TABLE 1: EVALUATED MEMBRANES

Type	Product		Material Standard			Plant(s)
			Reference	Type	Grade	
Roof Cover	IB PVC Single Ply	40, 60 or 80-mil	ASTM D444	III	N/A	Cambridge, Ontario
	IB PVC Single Ply Fleeceback	40, 60 or 80-mil	ASTM D444	III	N/A	
	IB PVC	50, 60 or 80-mil	ASTM D444	III	N/A	Mountain Top, PA
	IB PVC Fleeceback	50, 60 or 80-mil	ASTM D444	III	N/A	

5. LIMITATIONS:

5.1 This is a Building Code Evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

5.2 This Evaluation Report is not for use in Non-High Velocity Hurricane Zone jurisdictions.

5.3 The evaluation herein pertains to above-deck roof components; deck-attachment details pertain to 'as-tested' conditions under **Testing Application Standard TAS 114, Appendix J**. Roof decks shall be in accordance with **FBC HVHZ** requirements to the satisfaction of the Authority Having Jurisdiction.

5.4 This Evaluation Report does not include evaluation of fire classification. Refer to **FBC HVHZ 1516** for requirements and limitations regarding roof assembly fire classification. Refer to **FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.

5.5 This Evaluation Report does not include evaluation of roof edge termination. Refer to **Roofing Application Standard RAS 111** for requirements and limitations regarding edge securement for low-slope roofs.

5.6 Refer to **FBC HVHZ 1521** for requirements and limitations regarding recover installations.

5.6.1 For mechanically attached components over existing roof 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 shall be in accordance with **Testing Application Standard TAS 105**.

5.6.2 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 in accordance with **Testing Application Standard TAS 124** shall be conducted on mock-ups of the proposed new roof assembly.

5.6.3 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 in accordance with **Testing Application Standard TAS 124**.

5.7 Refer to Appendix 1 for system attachment requirements for wind load resistance.

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

5.7.2 For mechanically attached components, 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 HVHZ 1620** or **Roofing Application Standard RAS 128**. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Analysis shall be in accordance with **Roofing Application Standard RAS 117** or **Roofing Application Standard RAS 137**. ***This extrapolation is not permitted for systems marked with an asterisk****.

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

5.8 All components in the roof assembly shall have quality assurance audit in accordance with **F.A.C. Rule 61G20-3**. Refer to the Product Approval of the component manufacturer for components listed in Appendix 1 that are produced by a Product Manufacturer other than the report holder on Page 1 of this Evaluation Report.

6. INSTALLATION:

IB Single Ply Roof Systems shall be installed in accordance with **IB Roof Systems** published installation instructions, subject to the Limitations / Conditions of Use noted herein.

7. BUILDING PERMIT REQUIREMENTS:

As required by the Building Official or Authority Having Jurisdiction to properly evaluate the installation of this product.

8. MANUFACTURING PLANTS:

Contact the named QA entity for manufacturing facilities covered by **F.A.C. Rule 61G20-3** QA requirements. Refer to Section 4 herein for products and production locations having met codified material standards.

9. QUALITY ASSURANCE ENTITY:

UL, LLC. – QUA9625; (613) 371-2765; Jacob.Stewart@ul.com

- THE 35-PAGES THAT FOLLOW FORM PART OF THIS EVALUATION REPORT -

APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE

TABLE	DECK	APPLICATION	TYPE	DESCRIPTION	PAGE
1A	Wood	New, Reroof (Tear-Off) or Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	5
1B	Wood	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	5
1C	Wood	New, Reroof (Tear-Off), Recover	C-2	Plate Bonded Roof Cover	6
1D	Wood	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover	6
1E	Wood	New, Reroof (Tear-Off), Recover	E-1	Non-Insulated, Mechanically Attached Roof Cover	6
2A	Steel	New, Reroof (Tear-Off) or Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	7-8
2B	Steel	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	9-10
2C	Steel	New, Reroof (Tear-Off), Recover	C-2	Plate Bonded Roof Cover	10
2D	Steel	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover	11
3A	Structural concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	12-19
3B	Structural concrete	New, Reroof (Tear-Off), Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	20-21
3C	Structural concrete	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	22
3D	Structural concrete	New, Reroof (Tear-Off), Recover	C-2	Plate Bonded Roof Cover	22
3E	Structural concrete	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover	23
3F	Structural concrete	New, Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	23
4A	Lighweight concrete / concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	24-25
4B	Lighweight concrete / concrete	New, Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	26
5A	Cementitious wood fiber	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	27
6A	Existing gypsum	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	28-29
7A	Various	Recover	A-1	Bonded Insulation, Bonded Roof Cover	30-33
7B	Steel	Recover	C-2	Plate-Bonded Roof Cover	34
7C	Steel	Recover	D-1	Insulated, Mechanically Attached Roof Cover	34
7D	Various	Recover	F	Non-Insulated, Bonded Roof Cover	35

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 HVHZ requirements to the satisfaction of the Authority Having Jurisdiction. Deck-attachment details pertain to 'as-tested' conditions under Testing Application Standard TAS 114, Appendix J.

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

- Wood Deck: IB DF12 Standard Fastener or IB DF14 Roofing Fastener with IB 3" Round Metal Insulation Plates, Dekfast DF-#12-PH3 or Dekfast DF-#14-PH3 with Dekfast PLT-R-3, IB Standard Fastener or IB Heavy Duty Fastener with IB Insulation Plates, OMG #12 Roofgrip or OMG #14 Roofgrip with OMG 3 in. Galvalume Steel Plates; Minimum 0.75-inch plywood penetration or minimum 1-inch wood plank embedment.
- Steel Deck: IB DF12 Standard Fastener, IB DF14 Roofing Fastener or IB DF15 Roofing Fastener with IB 3" Round Metal Insulation Plates, Dekfast DF-#12-PH3, Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with Dekfast PLT-R-3, IB Standard Fastener, IB Heavy Duty Fastener or IB Magnum Fastener with IB Insulation Plates, OMG #12 Roofgrip, OMG #14 Roofgrip or OMG XHD with OMG 3 in. Galvalume Steel Plates; Minimum 0.75-inch steel penetration and engage the top flute of the steel deck.
- Structural Concrete: IB DF14 Roofing Fastener with IB 3" Round Metal Insulation Plates, Dekfast DF-#14-PH3 with Dekfast PLT-R-3, IB Heavy Duty Fastener with IB Insulation Plates, OMG #14 Roofgrip or OMG CD-10 with OMG 3 in. Galvalume Steel Plates; Minimum 1.25-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 FBC Approved (Local or Statewide) board(s) that meet FBC HVHZ 1516 and, for foam plastic, FBC Chapter 26, when installed with the roof cover.

4 If mechanical attachment to the structural deck through lightweight insulating concrete is proposed, field withdrawal resistance testing shall be performed to confirm equivalent or determine enhanced fastening patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 117 and/or RAS 137. Calculations shall be prepared, signed and sealed by a qualified design professional.

5 Preliminary insulation attachment for System Type D: Minimum four fasteners per 4 x 8 ft board or minimum two fasteners per 4 x 4 ft board.

6 Unless otherwise noted, insulation adhesive application rates are as follows. Ribbon width is at the time of application; the ribbons/beads shall expand as noted in the manufacturer's published instructions.

- Hot Asphalt (HA): Full mopping, 25-30 lbs/square.
- DUPONT "INSTA STIK Quik Set Insulation Adhesive" (Insta-Stik): Continuous 0.75 to 1-inch ribbons, 12-inch o.c.
- IB Rapid Set Insulation Adhesive (IB-RSIA): Continuous 0.5 to 0.75-inch ribbons, 12-inch o.c.
- ICP Adhesives & Sealants "Polyset BOARD-MAX": Continuous 3-inch ribbons, 12-inch o.c.
- ICP Adhesives & Sealants "Polyset CR-20": Continuous 2.5 to 3.5-inch ribbons, 12-inch o.c
- HB Fuller "Millennium One-Step Foamable Adhesive" (M-OSFA): Continuous 0.5 to 0.75-inch ribbons, 12-inch o.c. Note: Millennium One Step Green Foamable Adhesive may be used in place of M-OSFA.
- HB Fuller "Millennium PG-1 Pump Grade Adhesive" (M-PG1): Continuous 0.5 to 0.75-inch ribbons, 12-inch o.c. Note: Millennium PG-1 SAF Pump Grade Adhesive may be used in place of M-PG1
- OMG "OlyBond 500 Adhesive Fastener" (OB500): Continuous 0.75 to 1-inch wide ribbons, 12-inch o.c.; Canister, PaceCart or SpotShot. Note: OlyBond 500 Green may be used in place of OB500
- *Note: When multiple layers(s) of insulation and/or coverboard are installed in ribbon-applied adhesive, board joints shall be staggered.*
- *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.*

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.

- IB-RSIA: MDP -157.4 psf (Min. 0.5-inch thick)
- Polyset CR-20: MDP -117.5 psf (Min. 1.0-inch thick)
- M-OSFA or M-PG1: MDP -157.5 psf (Min. 0.5-inch thick)
- OB500: MDP -45.0 psf (Min. 0.5-inch thick Multi-Max FA3)
- OB500: MDP -187.5 psf (Min. 0.5-inch thick ISO 95+ GL)
- OB500: MDP -315.0 psf (Min. 0.5-inch thick ENRGY 3)
- OB500: MDP -487.5 psf (Min. 0.5-inch thick EnergyBoard II, ACFoam II)

8 Bonded polyisocyanurate insulation boards shall be maximum 4 x 4 ft.

9 For mechanically attached components, 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 HVHZ 1620 or Roofing Application Standard RAS 128. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria in accordance with Roofing Application Standard RAS 117 or Roofing Application Standard RAS 137. *This extrapolation is not permitted for systems marked with an asterisk*

10 For assemblies marked with an asterisk*, 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 in accordance with Testing Application Standard TAS 105. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Should the fastener resistance be less than that required, a revised fastener spacing – prepared, signed and sealed by a qualified design professional in accordance with Roofing Application Standard RAS 117 or Roofing Application Standard RAS 137 – may be submitted to the Building Official for review and acceptance.

12 Refer to FBC HVHZ 1521 for requirements and limitations regarding recover installations. 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 in accordance 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 in accordance with Testing Application Standard TAS 124.

13 For Structural Concrete Deck or Recover Applications using System Type C-1, C-2, D-1 or D-2, the insulation is optional. Alternatively, an FBC HVHZ 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 HVHZ 1516 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 FBC HVHZ 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			
MEMBRANE	**ADHESIVE**	**APPLICATION**	**RATE**
"IB PVC" or "IB PVC Single Ply"	IB Water Borne Adhesive (IB-WBA)	Wet lay (substrate)	1 gal per 125 - 175 square feet
"IB PVC" or "IB PVC Single Ply"	IB Water Borne 636 Adhesive (IB-WBA-636)	Wet lay (substrate)	1 gal per 140 - 180 square feet
"IB PVC" or "IB PVC Single Ply"	IB Vertibond PVC Bonding Adhesive (IB-Vertibond)	Contact (both sides)	1 gal per 50 - 70 square feet, finish
"IB PVC" or "IB PVC Single Ply"	IB Vertibond 432 Bonding Adhesive (IB-Vertibond-432)	Contact (both sides)	1 gal per 60 square feet, finish
"IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback"	IB Water Borne Adhesive (IB-WBA)	Wet lay (substrate)	1 gal per 100 - 160 square feet
"IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback"	IB Water Borne 636 Adhesive (IB-WBA-636)	Wet lay (substrate)	1 gal per 100 - 120 square feet
"IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback"	IB Vertibond PVC Bonding Adhesive (IB-Vertibond)	Contact (both sides)	1 gal per 45 - 60 square feet, finish
"IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback"	IB Vertibond 432 Bonding Adhesive (IB-Vertibond-432)	Contact (both sides)	1 gal per 60 square feet, finish
"IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback"	ICP Adhesives Polyset CR-20 (Polyset CR-20-SPATTER)	Wet lay (substrate)	"Spatter pattern" at 3.75 lbs/sq.
"IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback"	HB Fuller Millennium PG-1 Pump Grade Adhesive (M-PG1)	Wet lay (substrate)	Continuous ribbons spaced as noted in tables herein.
"IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback"	HB Fuller Millennium PG-1 Pump Grade Adhesive (M-PG1-LPS)	Wet lay (substrate)	Low-Pressure Spray at 1,300 to 1,800 square feet per 5 gallon kit

15A For single-ply membranes in System Type D-1 steel deck applications, the roof membrane shall be run with its length perpendicular to the steel deck flutes. For membrane attachment using batten-strips, batten-strip end laps shall be spliced with sufficient dimension to allow for minimum 2-fasteners at each batten-strip lap.

15B For System Type C-2 (induction weld), care shall be taken to ensure that the plates do not line-up with membrane seams. This condition may preclude proper induction welding of the membrane to the plates

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. those in Table 3A applies.

VAPOR BARRIER OPTIONS; STRUCTURAL CONCRETE DECK; FOLLOWED BY ADHESIVE-APPLIED INSULATION					
OPTION #	PRIMER	VAPOR BARRIER		INSULATION ADHESIVE	MDP (PSF)
		TYPE	APPLICATION		
C-VB-1.	ASTM D41	CertainTeed “Flintlastic GTA” or “Flintlastic GTS”, Firestone “APP 180 FR Cap”, GAF “Ruberoid Torch GR”, Johns Manville “APPeX 4.5M”, Soprema “Elastophene Flam GR” or “Sopralene Flam 180” or “Sopralene 250 GR” or Siplast “Paradiene 30 TG”	Torch-applied	Polyset CR-20, 12-inch o.c.	-169.0
C-VB-2.	ASTM D41	CertainTeed “Flintlastic SA Cap”, GAF “Liberty SBS Self-Adhering Cap Sheet”, Johns Manville “DynaGrip Cap” or “*JM*CleanBond Cap”, Polyglass “Elastoflex SA VG” or Soprema “Elastophene Stick FR GR” or “Elastophene Stick HR FR GR”	Self-adhering	Polyset CR-20, 12-inch o.c.	-250.0
C-VB-3.	ASTM D41	One or two plies, FBC HVHZ Approved ASTM D4601, Type II base sheet and/or ASTM D2178, Type IV or VI ply sheet	Hot asphalt	Polyset CR-20, 12-inch o.c.	-262.5
C-VB-4.	ASTM D41	CertainTeed “Flintlastic GMS”, Firestone “SBS Cap”, GAF “Ruberoid 30”, Johns Manville “DynaGlas”, Soprema “Elastophene GR” or “Sopralene 180 GR” or “Sopralene 250 GR” or Siplast “Paradiene 30”	Hot asphalt	Polyset CR-20, 12-inch o.c.	-270.0
C-VB-5.	IBarrier Primer or IBarrier Primer LV	IBarrier	Self-adhering	IB-RSIA, M-OSFA or M-PG1, 12-inch o.c.	-495.0
C-VB-6.	ASTM D41	One or two plies, FBC HVHZ Approved ASTM D4601, Type II base sheet and/or ASTM D2178, Type IV or VI ply sheet	Hot asphalt	IB-RSIA, M-OSFA or M-PG1, 12-inch o.c.	-495.0
C-VB-7.	ASTM D41	Firestone “SBS Glass FR Torch” or “SBS Poly Torch Base”	Torch-applied	IB-RSIA, M-OSFA or M-PG1, 12-inch o.c.	-495.0
C-VB-8.	IBarrier Primer or IBarrier Primer LV	IBarrier	Self-adhering	OB500, 12-inch o.c.	-307.5

17 “MDP” = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads. Refer to FBC (HVHZ) 1620 and Roofing Application Standard RAS 128 for determination of design wind loads.

TABLE 1A: 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	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)		
W-1.	Min. 19/32-inch, APA rated CDX plywood; 24-inch spans; 8d ring shank nails, 6" o.c	Min. 1.5-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield, H-Shield CG	IB XHD #15 Roofing Fastener with IB Insulation Plates, #15 Roofgrip or OMG XHD with OMG 3 in. Galvalume Steel Plates, IB DF15 Roofing Fastener with IB 3" Round Metal Insulation Plates or Dekfast DF-#15-PH3 with Dekfast PLT-R-3	1 per 1.3 ft^2	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	IB-RSIA, Polyset CR-20, M-OSFA, M-PG1, OB500, ribbons 6-inch o.c.	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-75.0
W-2.	Min. 19/32-inch, APA rated CDX plywood; 24-inch spans; 8d ring shank nails, 6" o.c	Min. 1.5-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield, H-Shield CG	IB XHD #15 Roofing Fastener with IB Insulation Plates, #15 Roofgrip or OMG XHD with OMG 3 in. Galvalume Steel Plates, IB DF15 Roofing Fastener with IB 3" Round Metal Insulation Plates or Dekfast DF-#15-PH3 with Dekfast PLT-R-3	1 per 1.3 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX, ribbons 6-inch o.c.	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-75.0

TABLE 1B: WOOD DECKS - NEW CONSTRUCTION OR 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	Fasteners (Note 11)	Attach		
W-3.	Min. 19/32-inch, APA rated CDX plywood; 24-inch spans; 8d ring shank nails, 6" o.c	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Insulfoam HD Composite or min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	IB XHD #15 Roofing Fastener with IB Insulation Plates, #15 Roofgrip or OMG XHD with OMG 3 in. Galvalume Steel Plates, IB DF15 Roofing Fastener with IB 3" Round Metal Insulation Plates or Dekfast DF-#15-PH3 with Dekfast PLT-R-3	1 per 1.3 ft^2	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-75.0

TABLE 1C: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-2: PLATE-BONDED ROOF COVER

System No.	Deck (See Note 1)	Insulation Layer (Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fasteners (Note 11)	Density		
W-4.	Min. 19/32-inch plywood (new) or min. 15/32-inch plywood (reroof / recover); 24-inch spans; 8d ring shank nails, 6" o.c.	(Optional) One or more layers, any combination	Dekfast DF-#15-PH3 with SFS *isoweld®* PVC Plates (FI-P-6.8-PVC) installed through to engage wood structural members, minimum 1-1/16 inch embedment. *(MCRF ≥ 540 lbf)*	Fasteners spaced max. 12-inch o.c. in rows spaced max. 48-inch o.c. along wood structural members	"IB PVC" or "IB PVC Single Ply" induction welded to SFS *isoweld®* PVC Plates with SFS *isoweld®* 3000 tool.	-67.5
W-5.	Min. 19/32-inch plywood (new) or min. 15/32-inch plywood (reroof / recover); 24-inch spans; 8d ring shank nails, 6" o.c.	(Optional) One or more layers, any combination	Dekfast DF-#15-PH3 with SFS *isoweld®* PVC Plates (FI-P-6.8-PVC) installed through to engage wood structural members, minimum 1-5/16 inch embedment. *(MCRF ≥ 585 lbf)*	Fasteners spaced max. 9-inch o.c. in rows spaced max. 48-inch o.c. along wood structural members	"IB PVC" or "IB PVC Single Ply" induction welded to SFS *isoweld®* PVC Plates with SFS *isoweld®* 3000 tool.	-97.5

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

System No.	Deck (Note 1)	Thermal Barrier	Insulation (Note 13)		Roof Cover (Note 15A)			MDP (psf)
			Type	Attach	Membrane	Fasteners (Note 11)	Attach	
W-6.	Min. 19/32-inch plywood; 24-inch spans; 8d ring shank nails, 6" o.c.	(Optional) Any thermal barrier to obtain fire classification	One or more layers, any combination	Prelim. attach	"IB PVC" or "IB PVC Single Ply"	IB XHD #15 Roofing Fastener with IB 2-3/8" Barbed Seam Plates, Dekfast DF-#15-PH3 with Dekfast PLT-2-3/8-6B plates, OMG XHD with OMG 2-3/8 XHD Barbed Stress Plates or OMG Metal Batten Strips or Trufast #15 EHD with Trufast 2.4" Barbed Metal Seam Plates	In-Seam: 6-inch x 67-inch	-67.5
W-7.	Min. 19/32-inch plywood; 24-inch spans; 2½" x #9 wood screws, 6" o.c.	(Optional) Any thermal barrier to obtain fire classification	One or more layers, any combination	Prelim. attach	"IB PVC" or "IB PVC Single Ply"	IB XHD #15 Roofing Fastener with IB 2-3/8" Barbed Seam Plates, Dekfast DF-#15-PH3 with Dekfast PLT-2-3/8-6B plates, OMG XHD with OMG 2-3/8 XHD Barbed Stress Plates or OMG Metal Batten Strips or Trufast #15 EHD with Trufast 2.4" Barbed Metal Seam Plates	In-Seam: 6-inch x 31-inch	-127.5

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

System No.	Deck (Note 1)	Thermal Barrier		Roof Cover (Note 15A)			MDP (psf)
		Type	Attach	Membrane	Fasteners (Note 11)	Attachment	
W-8.	Min. 19/32-inch plywood; 24-inch spans; 8d ring shank nails, 6" o.c.	(Optional) Any thermal barrier to obtain fire classification	Loose laid	"IB PVC" or "IB PVC Single Ply"	IB XHD #15 Roofing Fastener with IB 2-3/8" Barbed Seam Plates, Dekfast DF-#15-PH3 with Dekfast PLT-2-3/8-6B plates, OMG XHD with OMG 2-3/8 XHD Barbed Stress Plates or OMG Metal Batten Strips or Trufast #15 EHD with Trufast 2.4" Barbed Metal Seam Plates	In-Seam: 6-inch x 67-inch	-67.5
W-9.	Min. 19/32-inch plywood; 24-inch spans; 2½" x #9 wood screws, 6" o.c.	(Optional) Any thermal barrier to obtain fire classification	Loose laid	"IB PVC" or "IB PVC Single Ply"	IB XHD #15 Roofing Fastener with IB 2-3/8" Barbed Seam Plates, Dekfast DF-#15-PH3 with Dekfast PLT-2-3/8-6B plates, OMG XHD with OMG 2-3/8 XHD Barbed Stress Plates or OMG Metal Batten Strips or Trufast #15 EHD with Trufast 2.4" Barbed Metal Seam Plates	In-Seam: 6-inch x 31-inch	-127.5

TABLE 2A: STEEL 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	Cap Ply	
S-1.	Min. 22 ga., Type B, Grade 40 steel; 6 ft spans; Traxx/5 screws, 6" o.c.	Min. 2-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Note 2	1 per 1.6 ft²	Min. 0.25-inch Dens Deck Prime	IB-RSIA, Polyset CR-20, M-OSFA, M-PG1, OB500, ribbons 6-inch o.c.	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-60.0
S-2.	Min. 22 ga., Type B, Grade 40 steel; 6 ft spans; Traxx/5 screws, 6" o.c.	Min. 2-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Note 2	1 per 1.6 ft²	Min. 0.25-inch DensDeck Prime	IB-RSIA, Polyset CR-20, M-OSFA, M-PG1, OB500, ribbons 6-inch o.c.	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-60.0
S-3.	Min. 22 ga., Type B, Grade 40 steel; 6 ft spans; Traxx/5 screws, 6" o.c.	Min. 2-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Note 2	1 per 1.6 ft²	Min. 0.25-inch SECUROCK Gypsum Fiber Roof Board	IB-RSIA, Polyset BOARD-MAX, Polyset CR-20, M-OSFA, M-PG1, OB500, ribbons 6-inch o.c.	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-75.0
S-4.	Min. 22 ga., Type B, Grade 40 steel; 6 ft spans; Traxx/5 screws, 6" o.c.	Min. 2-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Note 2	1 per 1.6 ft²	Min. 0.25-inch SECUROCK Gypsum Fiber Roof Board	IB-RSIA, POLYSET BOARD-MAX, Polyset CR-20, M-OSFA, M-PG1, OB500, ribbons 6-inch o.c.	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-75.0
S-5.	Min. 22 ga., Type B, Grade 40 steel; 6 ft spans; Tek/5 screws with ¾" washers, 6" o.c.	Min. 2-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	IB Heavy Duty Fastener or IB XHD #15 Roofing Fastener with IB Insulation Plates, #14 Roofgrip, OMG Heavy Duty, #15 Roofgrip or OMG XHD with OMG 3 in. Galvalume Steel Plates, IB DF15 Roofing Fastener with IB 3" Round Metal Insulation Plates or Dekfast DF-#15-PH3 with Dekfast PLT-R-3	1 per 1.3 ft²	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	IB-RSIA, Polyset CR-20, M-OSFA, M-PG1, OB500, ribbons 6-inch o.c.	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-WBA ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-WBA or Polyset CR-20 SPATTER	-97.5

TABLE 2A: STEEL 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	Cap Ply	
S-6.	Min. 22 ga., Type B, Grade 40 steel; 6 ft spans; Tek/5 screws with ¾" washers, 6" o.c.	Min. 2-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	IB Heavy Duty Fastener or IB XHD #15 Roofing Fastener with IB Insulation Plates, #14 Roofgrip, OMG Heavy Duty, #15 Roofgrip or OMG XHD with OMG 3 in. Galvalume Steel Plates, IB DF15 Roofing Fastener with IB 3" Round Metal Insulation Plates or Dekfast DF-#15-PH3 with Dekfast PLT-R-3	1 per 1.3 ft^2	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	IB-RSIA, Polyset CR-20, M-OSFA, M-PG1, OB500, ribbons 6-inch o.c.	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-97.5
S-7.	Min. 22 ga., Type B, Grade 40 steel; 6 ft spans; Tek/5 screws with ¾" washers, 6" o.c.	Min. 2-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	IB Heavy Duty Fastener or IB XHD #15 Roofing Fastener with IB Insulation Plates, #14 Roofgrip, OMG Heavy Duty, #15 Roofgrip or OMG XHD with OMG 3 in. Galvalume Steel Plates, IB DF15 Roofing Fastener with IB 3" Round Metal Insulation Plates or Dekfast DF-#15-PH3 with Dekfast PLT-R-3	1 per 1.3 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX, ribbons 6-inch o.c.	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-WBA ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-WBA or Polyset CR-20 SPATTER	-97.5
S-8.	Min. 22 ga., Type B, Grade 40 steel; 6 ft spans; Tek/5 screws with ¾" washers, 6" o.c.	Min. 2-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	IB Heavy Duty Fastener or IB XHD #15 Roofing Fastener with IB Insulation Plates, #14 Roofgrip, OMG Heavy Duty, #15 Roofgrip or OMG XHD with OMG 3 in. Galvalume Steel Plates, IB DF15 Roofing Fastener with IB 3" Round Metal Insulation Plates or Dekfast DF-#15-PH3 with Dekfast PLT-R-3	1 per 1.3 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX, ribbons 6-inch o.c.	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-97.5
S-9.	Min. 22 ga., Type B, Grade 40 steel; 6 ft spans; Tek/5 screws with ¾" washers, 6" o.c.	Min. 2-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III or H-Shield	IB Heavy Duty Fastener or IB XHD #15 Roofing Fastener with IB Insulation Plates, #14 Roofgrip or #15 Roofgrip with OMG 3 in. Galvalume Steel Plates, IB DF14 or DF15 Roofing Fastener with IB 3" Round Metal Insulation Plates or DF-#14-PH3 or Dekfast DF-#15-PH3 with Dekfast PLT-R-3	1 per 1.0 ft^2	Additional optional layer(s) min. 1-inch base insulation followed by Min. 0.25-inch DensDeck Prime	Polyset BOARD-MAX	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-WBA ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-WBA or Polyset CR-20 SPATTER	-105.0

TABLE 2B: STEEL 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	Fasteners (Note 11)	Attach	Base Ply	Cap Ply	
S-10.	Min. 22 ga., type B, Grade 40 steel; 6 ft span; 5/8" puddle welds, 6" o.c.	One or more layers, any combination, min. 1.5-inch, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	IB DF12 Standard Fastener, IB DF14 Roofing Fastener or IB DF15 Roofing Fastener with IB 3" Round Metal Insulation Plates, Dekfast DF-#12-PH3, Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with Dekfast PLT-R-3, IB Standard Fastener, IB Heavy Duty Fastener or IB Magnum Fastener with IB Insulation Plates, OMG #12 Roofgrip, OMG #14 Roofgrip or OMG XHD with OMG 3 in. Galvalume Steel Plates	1 per 2.0 ft^2	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-52.5
S-11.	Min. 22 ga., Type B, Grade 80 steel; 6 ft span; Teks/5 screws with ¾" washers, 6" o.c.	One or more layers, any combination, min. 1.5-inch, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	IB XHD #15 Roofing Fastener with IB Insulation Plates, OMG XHD with OMG 3 in. Galvalume Steel Plates, IB DF15 Roofing Fastener with IB 3" Round Metal Insulation Plates or Dekfast DF-#15-PH3 with Dekfast PLT-R-3	1 per 2.0 ft^2	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-60.0
S-12.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; Teks/5 screws, 6" o.c.	One or more layers, any combination, min. 2-inch, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	IB DF14 Roofing Fastener or IB DF15 Roofing Fastener with IB 3" Round Metal Insulation Plates, Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with Dekfast PLT-R-3, IB Heavy Duty Fastener or IB Magnum Fastener with IB Insulation Plates, OMG #14 Roofgrip or OMG XHD with OMG 3 in. Galvalume Steel Plates	1 per 1.8 ft^2	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-67.5
S-13.	Min. 22 ga., type B, Grade 40 steel; 6 ft span; 5/8" puddle welds, 6" o.c.	One or more layers, any combination, min. 1.5-inch, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	IB DF12 Standard Fastener, IB DF14 Roofing Fastener or IB DF15 Roofing Fastener with IB 3" Round Metal Insulation Plates, Dekfast DF-#12-PH3, Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with Dekfast PLT-R-3, IB Standard Fastener, IB Heavy Duty Fastener or IB Magnum Fastener with IB Insulation Plates, OMG #12 Roofgrip, OMG #14 Roofgrip or OMG XHD with OMG 3 in. Galvalume Steel Plates	1 per 1.6 ft^2	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-67.5
S-14.	Min. 22 ga., Type B, Grade 40 steel; 6 ft spans; two (2) Tek/5 screws, 6" o.c.	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Insulfoam HD Composite or min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	IB Heavy Duty Fastener or IB XHD #15 Roofing Fastener with IB Insulation Plates, #14 Roofgrip, OMG Heavy Duty, #15 Roofgrip or OMG XHD with OMG 3 in. Galvalume Steel Plates, IB DF15 Roofing Fastener with IB 3" Round Metal Insulation Plates or Dekfast DF-#15-PH3 with Dekfast PLT-R-3	1 per 1.3 ft^2	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-75.0

TABLE 2B: STEEL 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	Fasteners (Note 11)	Attach	Base Ply	Cap Ply	
S-15.	Min. 22 ga., Type B, Grade 40 steel; 6 ft spans; two (2) Tek/5 screws, 6" o.c.	(Optional) One or more layers, any combination, min. 1.5-inch loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	IB Heavy Duty Fastener or IB XHD #15 Roofing Fastener with IB Insulation Plates, #14 Roofgrip, OMG Heavy Duty, #15 Roofgrip or OMG XHD with OMG 3 in. Galvalume Steel Plates, IB DF15 Roofing Fastener with IB 3" Round Metal Insulation Plates or Dekfast DF-#15-PH3 with Dekfast PLT-R-3	1 per 1.3 ft²	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-75.0
S-16.	Min. 22 ga., type B, Grade 33 steel; 6 ft span; two (2) Teks/5 screws with ¾" washers, 6" o.c.	One or more layers, any combination, min. 1.5-inch, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board (max. 4x4 ft)	Trufast #15 EHD with Trufast 3" Metal Insulation Plates	1 per 1.0 ft² (16 per 4x4 ft board)	US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-157.5

TABLE 2C: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-2: PLATE-BONDED ROOF COVER

System No.	Deck (See Note 1)	Insulation Layer (Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fasteners (Note 11)	Density		
S-17.	Min. 22 ga., type B, Grade 40 steel; 6 ft span; 5/8" puddle welds, 6" o.c.	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#15-PH3 with SFS *isoweld*® PVC Plates (FI-P-6.8-PVC)	1 per 6 ft² 2x3-ft grid, staggered	"IB PVC" induction welded to SFS *isoweld*® PVC Plates with SFS *isoweld*® 3000 tool.	-52.5
S-18.	Min. 22 ga., type B, Grade 40 steel; 6 ft span; 5/8" puddle welds, 6" o.c.	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#15-PH3 with SFS *isoweld*® PVC Plates (FI-P-6.8-PVC)	1 per 4.0 ft² 2x2-ft grid, staggered	"IB PVC" or "IB PVC Single Ply" induction welded to SFS *isoweld*® PVC Plates with SFS *isoweld*® 3000 tool.	-52.5
S-19.	Min. 22 ga., type B, Grade 80 steel; 6 ft span; 5/8" puddle welds, 6" o.c.	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#12-PH3 with SFS *isoweld*® PVC Plates (FI-P-6.8-PVC)	1 per 4.0 ft² 2x2-ft grid, staggered	"IB PVC" or "IB PVC Single Ply" induction welded to SFS *isoweld*® PVC Plates with SFS *isoweld*® 3000 tool.	-52.5
S-20.	Min. 22 ga., type B, Grade 40 steel; 6 ft span; 5/8" puddle welds, 6" o.c.	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#15-PH3 with SFS *isoweld*® PVC Plates (FI-P-6.8-PVC)	1 per 3 ft² 1.5 x 2-ft grid, staggered	"IB PVC" or "IB PVC Single Ply" induction welded to SFS *isoweld*® PVC Plates with SFS *isoweld*® 3000 tool.	-82.5
S-21.	Min. 22 ga., type B, Grade 80 steel; 6 ft span; 5/8" puddle welds, 6" o.c.	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#12-PH3 with SFS *isoweld*® PVC Plates (FI-P-6.8-PVC)	1 per 3 ft² 1.5 x 2-ft grid, staggered	"IB PVC" or "IB PVC Single Ply" induction welded to SFS *isoweld*® PVC Plates with SFS *isoweld*® 3000 tool.	-82.5
S-22.	Min. 22 ga., type B, Grade 40 steel; 6 ft span; Tek/5 screws, 6" o.c.	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#15-PH3 with SFS *isoweld*® PVC Plates (FI-P-6.8-PVC)	6-inch o.c. in rows 60-inch o.c.	"IB PVC" or "IB PVC Single Ply" induction welded to SFS *isoweld*® PVC Plates with SFS *isoweld*® 3000 tool.	-90.0
S-23.	Min. 22 ga., type B, Grade 80 steel; 6 ft span; Tek/5 screws, 6" o.c.	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#12-PH3 with SFS *isoweld*® PVC Plates (FI-P-6.8-PVC)	6-inch o.c. in rows 60-inch o.c.	"IB PVC" or "IB PVC Single Ply" induction welded to SFS *isoweld*® PVC Plates with SFS *isoweld*® 3000 tool.	-90.0

TABLE 2D: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER							
System No.	Deck (Note 1)	Thermal Barrier and/or Insulation (Note 13)		Roof Cover (Note 15A)			MDP (psf)
		Type	Attach	Membrane	Fasteners (Note 11)	Attach	
S-24.	Min. 22 ga., Type B, Grade 80 steel; 6 ft span; Tek/5 screws, 6" o.c.	One or more layers, any combination	Prelim. attach	"IB PVC" or "IB PVC Single Ply"	IB XHD #15 Roofing Fastener with IB 2-3/8" Barbed Seam Plates, Dekfast DF-#15-PH3 with Dekfast PLT-2-3/8-6B plates, OMG XHD with OMG 2-3/8 XHD Barbed Stress Plates or OMG Metal Batten Strips or Trufast #15 EHD with Trufast 2.4" Barbed Metal Seam Plates	In-Seam: 6-inch x 67-inch	-67.5
S-25.	Min. 22 ga., Type B, Grade 80 steel; 6 ft span; Tek/5 screws, 6" o.c.	One or more layers, any combination	Prelim. attach	"IB PVC Single Ply"	OMG XHD Fasteners through OMG Polymer Batten Strips	In-Field: 6-inch x 96-inch	-67.5
S-26.	Min. 22 ga., Type B, Grade 80 steel; 6 ft span; Tek/5 screws, 6" o.c.	One or more layers, any combination	Prelim. attach	"IB PVC Single Ply"	OMG XHD Fasteners through OMG Metal Batten Strips	In-Field: 6-inch x 96-inch	-75.0
S-27.	Min. 22 ga., Type B, Grade 80 steel; 6 ft span; two (2) Tek/5 screws with ¾" washers, 6" o.c.	One or more layers, any combination	Prelim. attach	"IB PVC" or "IB PVC Single Ply"	IB XHD #15 Roofing Fastener with IB 2-3/8" Barbed Seam Plates, Dekfast DF-#15-PH3 with Dekfast PLT-2-3/8-6B plates, OMG XHD with OMG 2-3/8 XHD Barbed Stress Plates or OMG Metal Batten Strips or Trufast #15 EHD with Trufast 2.4" Barbed Metal Seam Plates	In-Seam: 6-inch x 31-inch	-127.5

TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER SEE NOTE 16 FOR VAPOR BARRIER OPTIONS								
System No.	Deck (Note 1)	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	Cap Ply	
INSULATION IN HOT ASPHALT:								
C-1.	Min. 2,500 psi structural concrete	Min. 1.5-inch Insulfoam IX	HA (back-mopped)	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	HA (back-mopped)	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-202.5
C-2.	Min. 2,500 psi structural concrete	Min. 1.5-inch EnergyBoard II, ACFoam II or Multi-Max FA3	HA	(Optional) Additional layers(s) of base insulation	HA	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-215.0
C-3.	Min. 2,500 psi structural concrete	Min. 1.5-inch EnergyBoard II, ACFoam II or Multi-Max FA3	HA	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	HA	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-255.0
INSULATION IN INSTA-STIK:								
C-4.	Min. 2,500 psi structural concrete	Min. 1.5-inch Multi-Max FA3	Insta-Stik	(Optional) Additional layers(s) of base insulation	Insta-Stik	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-67.5
C-5.	Min. 2,500 psi structural concrete	Min. 1.5-inch Multi-Max FA3	Insta-Stik	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Insta-Stik	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-67.5
C-6.	Min. 2,500 psi structural concrete	Min. 1.5-inch EnergyBoard II, ACFoam II	Insta-Stik	(Optional) Additional layers(s) of base insulation	Insta-Stik	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-120.0

TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER SEE NOTE 16 FOR VAPOR BARRIER OPTIONS								
System No.	Deck (Note 1)	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	Cap Ply	
C-7.	Min. 2,500 psi structural concrete	Min. 1.5-inch EnergyBoard II, ACFoam II	Insta-Stik	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Insta-Stik	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-120.0
C-8.	Min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch Insulfoam IX	Insta-Stik	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Insta-Stik	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-120.0
INSULATION IN IB RAPID SET INSULATION ADHESIVE, MILLENNIUM ONE STEP FOAMABLE ADHESIVE OR MILLENNIUM PG-1 PUMP GRADE ADHESIVE:								
C-9.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield or H-Shield CG	IB-RSIA, M-OSFA, M-PG1	Min. 1.5-inch InsulFoam HD Composite	IB-RSIA, M-OSFA, M-PG1	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-102.5
C-10.	Min. 2,500 psi structural concrete	Min. 1.5-inch EnergyBoard II, ACFoam II or Multi-Max FA3	IB-RSIA, M-OSFA, M-PG1	(Optional) Additional layers(s) of base insulation	IB-RSIA, M-OSFA, M-PG1	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-215.0
C-11.	Min. 2,500 psi structural concrete	Min. 1.5-inch EnergyBoard II, ACFoam II or Multi-Max FA3	IB-RSIA, M-OSFA, M-PG1	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	IB-RSIA, M-OSFA, M-PG1	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-232.5
C-12.	Min. 2,500 psi structural concrete	Min. 1.5-inch EnergyBoard II, ACFoam II or Multi-Max FA3	IB-RSIA, M-OSFA, M-PG1	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	IB-RSIA, M-OSFA, M-PG1	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-232.5
C-13.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield or H-Shield CG	IB-RSIA, M-OSFA, M-PG1	Min. 0.25-inch Dens Deck Prime	IB-RSIA, M-OSFA, M-PG1	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-257.5

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

System No.	Deck (Note 1)	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	Cap Ply	
C-14.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield or H-Shield CG	IB-RSIA, M-OSFA, M-PG1	Min. 0.25-inch DensDeck Prime	IB-RSIA, M-OSFA, M-PG1	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-257.5
C-15.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield or H-Shield CG	IB-RSIA, M-OSFA, M-PG1	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	IB-RSIA, M-OSFA, M-PG1	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-267.5
C-16.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield or H-Shield CG	IB-RSIA, M-OSFA, M-PG1	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	IB-RSIA, M-OSFA, M-PG1	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-267.5
C-17.	Min. 2,500 psi structural concrete	Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield or H-Shield CG	IB-RSIA, M-OSFA, M-PG1	(Optional) Additional layer(s) of base insulation	IB-RSIA, M-OSFA, M-PG1	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-327.5
C-18.	Min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	IB-RSIA, M-OSFA, M-PG1, 6-inch o.c.	None	N/A	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-490.0
C-19.	Min. 2,500 psi structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	IB-RSIA, M-OSFA, M-PG1, 6-inch o.c.	None	N/A	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-657.5
INSULATION IN OLYBOND 500:								
C-20.	Min. 2,500 psi structural concrete	Min. 1.0-inch Insulfoam IX	OB-500	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	OB-500	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-52.5

TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER SEE NOTE 16 FOR VAPOR BARRIER OPTIONS								
System No.	Deck (Note 1)	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	Cap Ply	
C-21.	Min. 2,500 psi structural concrete	Min. 1.0-inch Insulfoam IX	OB-500	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	OB-500	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-52.5
C-22.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield or H-Shield CG	OB-500	Min. 1.5-inch InsulFoam HD Composite	OB-500	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-102.5
C-23.	Min. 2,500 psi structural concrete	Min. 2.0-inch Insulfoam IX	OB-500	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	OB-500	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-120.0
C-24.	Min. 2,500 psi structural concrete	Min. 2.0-inch Insulfoam IX	OB-500	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	OB-500	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-120.0
C-25.	Min. 2,500 psi structural concrete	Min. 1.5-inch EnergyBoard II, ACFoam II	OB-500	(Optional) Additional layers(s) of base insulation	OB-500	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-150.0
C-26.	Min. 2,500 psi structural concrete	Min. 1.5-inch EnergyBoard II, ACFoam II	OB-500	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	OB-500	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-150.0
C-27.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield or H-Shield CG	OB-500	Min. 0.25-inch Dens Deck Prime	OB-500	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-257.5

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

System No.	Deck (Note 1)	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	Cap Ply	
C-28.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield or H-Shield CG	OB-500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB-500	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-267.5
C-29.	Min. 2,500 psi structural concrete	(Optional) Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield or H-Shield CG	OB500	Min. 0.25-inch Dens Deck Prime	OB500	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-282.5
C-30.	Min. 2,500 psi structural concrete	(Optional) Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield or H-Shield CG	OB-500	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB-500	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-322.5
C-31.	Min. 2,500 psi structural concrete	Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield or H-Shield CG	OB-500	(Optional) Additional layer(s) of base insulation	OB-500	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-327.5
C-32.	Min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB-500, 6-inch o.c.	None	N/A	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-490.0
C-33.	Min. 2,500 psi structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB-500, 6-inch o.c.	None	N/A	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-657.5
INSULATION IN ICP ADHESIVES POLYSET CR-20:								
C-34.	Min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch Insulfoam IX	Polyset CR-20	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-180.0

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

System No.	Deck (Note 1)	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	Cap Ply	
C-35.	Min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch Insulfoam IX	Polyset CR-20	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-180.0
C-36.	Min. 2,500 psi structural concrete	Min. 1-inch IB Multi-Max FA3, UltraMax	Polyset CR-20	(Optional) Additional layer(s) base of base insulation	Polyset CR-20	✓ None	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / Polyset CR-20-SPATTER	-250.0
C-37.	Min. 2,500 psi structural concrete	Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG	Polyset CR-20	(Optional) Additional layer(s) base of base insulation	Polyset CR-20	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-272.5
C-38.	Min. 2,500 psi structural concrete	(Optional) Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3, UltraMax	Polyset CR-20	Min. 0.25-inch Dens Deck Prime	Polyset CR-20	✓ None	✓ IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636	-257.5
C-39.	Min. 2,500 psi structural concrete	(Optional) Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3, UltraMax	Polyset CR-20	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	✓ None	✓ IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636	-267.5
C-40.	Min. 2,500 psi structural concrete	(Optional) Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3, UltraMax	Polyset CR-20	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	✓ None	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / Polyset CR-20-SPATTER	-272.5
C-41.	Min. 2,500 psi structural concrete	(Optional) Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield or H-Shield CG	Polyset CR-20	Min. 0.25-inch Dens Deck Prime	Polyset CR-20	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-282.5

TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER SEE NOTE 16 FOR VAPOR BARRIER OPTIONS								
System No.	Deck (Note 1)	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	Cap Ply	
C-42.	Min. 2,500 psi structural concrete	(Optional) Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield or H-Shield CG	Polyset CR-20	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-322.5
C-43.	Min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	Polyset CR-20, 6-inch o.c.	None	N/A	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-490.0
C-44.	Min. 2,500 psi structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20, 6-inch o.c.	None	N/A	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-657.5
INSULATION IN ICP ADHESIVES POLYSET BOARD-MAX:								
C-45.	Min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch Insulfoam IX	Polyset BOARD-MAX	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-180.0
C-46.	Min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch Insulfoam IX	Polyset BOARD-MAX	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-180.0
C-47.	Min. 2,500 psi structural concrete	(Optional) Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3, UltraMax	Polyset BOARD-MAX	Min. 0.5-inch Dens Deck Prime	Polyset BOARD-MAX	✓ None	✓ IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-232.5
C-48.	Min. 2,500 psi structural concrete	(Optional) Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3, UltraMax	Polyset BOARD-MAX	Min. 0.5-inch DensDeck Prime	Polyset BOARD-MAX	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-232.5

TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER SEE NOTE 16 FOR VAPOR BARRIER OPTIONS								
System No.	Deck (Note 1)	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	Cap Ply	
C-49.	Min. 2,500 psi structural concrete	Min. 1-inch IB Multi-Max FA3, UltraMax	Polyset BOARD-MAX	(Optional) Additional layer(s) base of base insulation	Polyset BOARD-MAX	✓ None	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / Polyset CR-20-SPATTER	-250.0
C-50.	Min. 2,500 psi structural concrete	Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG	Polyset BOARD-MAX	(Optional) Additional layer(s) base of base insulation	Polyset BOARD-MAX	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-272.5
C-51.	Min. 2,500 psi structural concrete	(Optional) Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3, UltraMax	Polyset BOARD-MAX	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX	✓ None	✓ IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636	-267.5
C-52.	Min. 2,500 psi structural concrete	(Optional) Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3, UltraMax	Polyset BOARD-MAX	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX	✓ None	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / Polyset CR-20-SPATTER	-272.5
C-53.	Min. 2,500 psi structural concrete	(Optional) Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3, UltraMax	Polyset BOARD-MAX	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-272.5
C-54.	Min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	Polyset BOARD-MAX, 6-inch o.c.	None	N/A	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-490.0
C-55.	Min. 2,500 psi structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX, 6-inch o.c.	None	N/A	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-657.5

TABLE 3B: 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	Cap Ply	
C-56.	Min. 2,500 psi structural concrete	Min. 2-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Note 2	1 per 1.6 ft^2	Min. 0.25-inch Dens Deck Prime	IB-RSIA, Polyset CR-20, M-OSFA, M-PG1, OB500, ribbons 6-inch o.c.	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-60.0
C-57.	Min. 2,500 psi structural concrete	Min. 2-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Note 2	1 per 1.6 ft^2	Min. 0.25-inch Dens Deck Prime	IB-RSIA, Polyset CR-20, M-OSFA, M-PG1, OB500, ribbons 6-inch o.c.	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-60.0
C-58.	Min. 2,500 psi structural concrete	Min. 2-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Note 2	1 per 1.6 ft^2	Min. 0.25-inch SECUROCK Gypsum Fiber Roof Board	IB-RSIA, Polyset BOARD-MAX, Polyset CR-20, M-OSFA, M-PG1, OB500, ribbons 6-inch o.c.	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-75.0
C-59.	Min. 2,500 psi structural concrete	Min. 2-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Note 2	1 per 1.6 ft^2	Min. 0.25-inch SECUROCK Gypsum Fiber Roof Board	IB-RSIA, Polyset BOARD-MAX, Polyset CR-20, M-OSFA, M-PG1, OB500, ribbons 6-inch o.c.	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-75.0

TABLE 3B: 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	Cap Ply	
C-60.	Min. 2,500 psi structural concrete	Min. 2-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	IB Heavy Duty Fastener with IB Insulation Plates, #14 Roofgrip, OMG Heavy Duty, OMG CD-10 or OMG Fluted Nail with OMG 3 in. Galvalume Steel Plates	1 per 1.3 ft^2	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	IB-RSIA, Polyset CR-20, M-OSFA, M-PG1, OB500, ribbons 6-inch o.c.	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-WBA ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-WBA or Polyset CR-20 SPATTER	-97.5
C-61.	Min. 2,500 psi structural concrete	Min. 2-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	IB Heavy Duty Fastener with IB Insulation Plates, #14 Roofgrip, OMG Heavy Duty, OMG CD-10 or OMG Fluted Nail with OMG 3 in. Galvalume Steel Plates	1 per 1.3 ft^2	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	IB-RSIA, Polyset CR-20, M-OSFA, M-PG1, OB500, ribbons 6-inch o.c.	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-97.5
C-62.	Min. 2,500 psi structural concrete	Min. 2-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	IB Heavy Duty Fastener with IB Insulation Plates, #14 Roofgrip, OMG Heavy Duty, OMG CD-10 or OMG Fluted Nail with OMG 3 in. Galvalume Steel Plates	1 per 1.3 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX, ribbons 6-inch o.c.	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-WBA ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-WBA or Polyset CR-20 SPATTER	-97.5
C-63.	Min. 2,500 psi structural concrete	Min. 2-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	IB Heavy Duty Fastener with IB Insulation Plates, #14 Roofgrip, OMG Heavy Duty, OMG CD-10 or OMG Fluted Nail with OMG 3 in. Galvalume Steel Plates	1 per 1.3 ft^2	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX, ribbons 6-inch o.c.	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-97.5
C-64.	Min. 2,500 psi structural concrete	Min. 2-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III or H-Shield	IB Heavy Duty Fastener with IB Insulation Plates, #14 Roofgrip, OMG CD-10 or OMG Fluted Nail with OMG 3 in. Galvalume Steel Plates	1 per 1.0 ft^2	Min. 0.25-inch DensDeck Prime	Polyset BOARD-MAX	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-WBA ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-WBA or Polyset CR-20 SPATTER	-105.0

TABLE 3C: 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	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fasteners (Note 11)	Attach	Base Ply	Cap Ply	
C-65.	Min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Insulfoam HD Composite or min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	IB Heavy Duty Fastener with IB Insulation Plates, #14 Roofgrip, OMG Heavy Duty, OMG CD-10 or OMG Fluted Nail with OMG 3 in. Galvalume Steel Plates	1 per 1.3 ft^2	✓ None	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-75.0
C-66.	Min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	IB Heavy Duty Fastener with IB Insulation Plates, #14 Roofgrip, OMG Heavy Duty, OMG CD-10 or OMG Fluted Nail with OMG 3 in. Galvalume Steel Plates	1 per 1.3 ft^2	✓ Polyglass "Elastoflex S6" or "Elastoflex V", torch-applied ✓ US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / M-PG1-LPS ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeeback" / Polyset CR-20-SPATTER	-75.0

TABLE 3D: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-2: PLATE-BONDED ROOF COVER

System No.	Deck (See Note 1)	Insulation Layer (Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fasteners (Note 11)	Density		
C-67.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with SFS *isoweld*® PVC Plates (FI-P-6.8-PVC)	1 per 6 ft^2 2x3-ft grid, staggered	"IB PVC" induction welded to SFS *isoweld*® PVC Plates with SFS *isoweld*® 3000 tool.	-52.5
C-68.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with SFS *isoweld*® PVC Plates (FI-P-6.8-PVC)	1 per 4.0 ft^2 2x2-ft grid, staggered	"IB PVC Single Ply" induction welded to SFS *isoweld*® PVC Plates with SFS *isoweld*® 3000 tool.	-52.5
C-69.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with SFS *isoweld*® PVC Plates (FI-P-6.8-PVC)	1 per 3 ft^2 1.5 x 2-ft grid, staggered	"IB PVC" or "IB PVC Single Ply" induction welded to SFS *isoweld*® PVC Plates with SFS *isoweld*® 3000 tool.	-82.5
C-70.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with SFS *isoweld*® PVC Plates (FI-P-6.8-PVC)	6-inch o.c. in rows 60-inch o.c.	"IB PVC" or "IB PVC Single Ply" induction welded to SFS *isoweld*® PVC Plates with SFS *isoweld*® 3000 tool.	-90.0

TABLE 3E: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER							
System No.	Deck (Note 1)	Insulation (Note 13)		Roof Cover (Note 15A)			MDP (psf)
		Type	Attach	Membrane	Fasteners (Note 11)	Attach	
C-71.	Min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. attach	"IB PVC" or "IB PVC Single Ply"	Dekfast DF-#14-PH3 with Dekfast PLT-2-3/8-6B plates or OMG CD-10 Fasteners with OMG 2-3/8 XHD Barbed Stress Plates	In-Seam: 6-inch x 67-inch	-67.5
C-72.	Min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. attach	"IB PVC Single Ply"	OMG CD-10 Fasteners through OMG Polymer Batten Strips	In-Field: 6-inch x 96-inch	-67.5
C-73.	Min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. attach	"IB PVC Single Ply"	OMG CD-10 Fasteners through OMG Metal Batten Strips	In-Field: 6-inch x 96-inch	-75.0
C-74.	Min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. attach	"IB PVC" or "IB PVC Single Ply"	Dekfast DF-#14-PH3 with Dekfast PLT-2-3/8-6B plates or OMG CD-10 Fasteners with OMG 2-3/8 XHD Barbed Stress Plates	In-Seam: 6-inch x 31-inch	-127.5

TABLE 3F: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER			
System No.	Deck (Note 1)	Roof Cover (Note 15)	MDP (psf)*
C-75.	Min. 2,500 psi structural concrete	✓ "IB PVC" or "IB PVC Single Ply" / IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-WBA-636	-327.5
C-76.	Min. 2,500 psi structural concrete	✓ "IB PVC" or "IB PVC Single Ply" / IB-WBA ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-WBA or Polyset CR-20 SPATTER	-512.5

TABLE 4A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: 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)		
CELCORE (NOA 18-0717.05):								
LWC-1	Structural concrete	Min. 200 psi, min. 2-inch Celcore Cellular Concrete.	Min. 1.5-inch Insulfoam IX	Polyset CR-20	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-180.0
LWC-2	Structural concrete	Min. 200 psi, min. 2-inch Celcore Cellular Concrete.	Min. 1.5-inch Insulfoam XIV	Polyset CR-20	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-202.5
LWC-3	Structural concrete	Min. 200 psi, min. 2-inch Celcore Cellular Concrete.	Min. 1.5" EnergyBoard II, ACFoam II or Multi-Max FA3	Polyset CR-20	(Optional) Additional layers base insulation	Polyset CR-20	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-215.0
LWC-4	Structural concrete	Min. 200 psi, min. 2-inch Celcore Cellular Concrete.	(Optional) Min. 1.5" EnergyBoard II, ACFoam II or Multi-Max FA3	Polyset CR-20	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-222.5
ELASTIZELL (NOA 18-0208.03):								
LWC-5	Structural concrete	Min. 200 psi, min. 2-inch Range II Elastizell Lightweight Insulating Concrete	Min. 1.5" EnergyBoard II, ACFoam II or Multi-Max FA3	Polyset CR-20	(Optional) Additional layers base insulation	Polyset CR-20	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-180.0
LWC-6	Structural concrete	Min. 200 psi, min. 2-inch Range II Elastizell Lightweight Insulating Concrete	(Optional) Min. 1.5" EnergyBoard II, ACFoam II or Multi-Max FA3	Polyset CR-20	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-180.0
LWC-7	Structural concrete	Min. 200 psi, min. 2-inch Range II Elastizell Lightweight Insulating Concrete	Min. 1.5-inch Insulfoam IX	Polyset CR-20	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-180.0

TABLE 4A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: 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)		
LWC-8	Structural concrete	Min. 200 psi, min. 2-inch Range II Elastizell Lightweight Insulating Concrete	Min. 1.5-inch Insulfoam XIV	Polyset CR-20	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-202.5
LWC-9	Structural concrete	Min. 200 psi, min. 2-inch Range II Elastizell Lightweight Insulating Concrete	Min. 1.5" EnergyBoard II, ACFoam II	OB-500	(Optional) Additional layers base insulation	OB-500	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-215.0
LWC-10	Structural concrete	Min. 200 psi, min. 2-inch Range II Elastizell Lightweight Insulating Concrete	(Optional) Min. 1.5" EnergyBoard II, ACFoam II	OB-500	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	OB-500	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-225.0
MEARLCRETE (NOA 19-0729.03):								
LWC-11	Structural concrete	Min. 200 psi, min. 2-inch Mearlcrete	Min. 1.5-inch Insulfoam IX	Polyset CR-20	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-180.0
LWC-12	Structural concrete	Min. 200 psi, min. 2-inch Mearlcrete	Min. 1.5-inch Insulfoam XIV	Polyset CR-20	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-202.5
LWC-13	Structural concrete	Min. 200 psi, min. 2-inch Mearlcrete	Min. 1.5" EnergyBoard II, ACFoam II or Multi-Max FA3	Polyset CR-20	(Optional) Additional layers base insulation	Polyset CR-20	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-215.0
LWC-14	Structural concrete	Min. 200 psi, min. 2-inch Mearlcrete	(Optional) Min. 1.5" EnergyBoard II, ACFoam II or Multi-Max FA3	Polyset CR-20	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-240.0

TABLE 4B: 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)**	**Treatment**	**Roof Cover (Note 15)**	**MDP (psf)***
CELCORE (NOA 18-0717.05):					
LWC-15	Structural concrete	Min. 200 psi, min. 2-inch Celcore Cellular Concrete	In accordance with LWC manufacturer's requirements	✓ "IB PVC" or "IB PVC Single Ply" / IB-WBA, IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-242.5
ELASTIZELL (NOA 18-0208.03):					
LWC-16	Structural concrete	Min. 200 psi, min. 2-inch Range II Elastizell Lightweight Insulating Concrete	In accordance with LWC manufacturer's requirements	✓ "IB PVC" or "IB PVC Single Ply" / IB-WBA, IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-242.5
MEARLCRETE (NOA 19-0729.03):					
LWC-17	Structural concrete	Min. 200 psi, min. 2-inch Mearlcrete	In accordance with LWC manufacturer's requirements	✓ "IB PVC" or "IB PVC Single Ply" / IB-WBA, IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-242.5

TABLE 5A: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR 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)		
CWF-1.	Existing Tectum Plank or Tectum LS Plank (re-roof only)	Min. 1.5" EnergyBoard II, ACFoam II or Multi-Max FA3	OB-500	(Optional) Additional layer(s) of base insulation	OB-500	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-45.0
CWF-2.	Existing Tectum Plank or Tectum LS Plank (re-roof only)	(Optional) Min. 1.5" EnergyBoard II, ACFoam II or Multi-Max FA3	OB-500	Min. ¼" Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	OB-500	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-45.0
CWF-3.	Existing Tectum Plank or Tectum LS Plank or Fibroplank (re-roof only)	Min. 1.5" EnergyBoard II, ACFoam II or Multi-Max FA3	Polyset CR-20	(Optional) Additional layer(s) of base insulation	Polyset CR-20	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-52.5
CWF-4.	Existing Tectum Plank or Tectum LS Plank (re-roof only)	(Optional) Min. 1.5" EnergyBoard II, ACFoam II or Multi-Max FA3	Polyset CR-20	Min. ¼" Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-52.5
CWF-5.	Tectum Plank, max. 4 ft span; Trufast #12 Purlin Fasteners & Trufast 2" Barbed Metal Seam Plates, three (3) equally spaced for 3 ft panel width (12" o.c.)	(Optional if Coverboard installed) One or more layer(s), min. 1-inch EnergyBoard II, ACFoam-II, EnergyBoard III, ACFoam III, GAF EnergyGuard Polyiso Insulation, ENRGY 3, H-Shield or Multi-Max FA3	Polyset BOARD-MAX	Min. 0.25-inch DensDeck Prime	Polyset BOARD-MAX	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-WBA ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-WBA or Polyset CR-20 SPATTER	-75.0

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)		
INSULATION IN IB RAPID SET INSULATION ADHESIVE, MILLENNIUM ONE STEP FOAMABLE ADHESIVE OR MILLENNIUM PG-1 PUMP GRADE ADHESIVE:							
G-1.	Existing poured gypsum or gypsum plank	Min. 1.5-inch EnergyBoard II, ACFoam II or Multi-Max FA3	IB-RSIA, M-OSFA, M-PG1	(Optional) Additional layers(s) of base insulation	IB-RSIA, M-OSFA, M-PG1	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-202.5
G-2.	Existing poured gypsum or gypsum plank	Min. 1.5-inch EnergyBoard II, ACFoam II or Multi-Max FA3	IB-RSIA, M-OSFA, M-PG1	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	IB-RSIA, M-OSFA, M-PG1	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-202.5
INSULATION IN OLYBOND 500:							
G-3.	Existing poured gypsum or gypsum plank	Min. 1.0-inch Insulfoam IX	OB-500	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	OB-500	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-52.5
G-4.	Existing poured gypsum or gypsum plank	Min. 2.0-inch Insulfoam IX	OB-500	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	OB-500	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-112.5
G-5.	Existing poured gypsum or gypsum plank	Min. 1.5-inch EnergyBoard II, ACFoam II	OB-500	(Optional) Additional layers(s) of base insulation	OB-500	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-112.5
G-6.	Existing poured gypsum or gypsum plank	(Optional) Min. 1.5-inch EnergyBoard II, ACFoam II	OB-500	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	OB-500	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-112.5
INSULATION IN ICP ADHESIVES POLYSET CR-20:							

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)		
G-7.	Existing poured gypsum or gypsum plank	One or more layers, min. 1.5-inch Insulfoam IX	Polyset CR-20	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-180.0
G-8.	Existing poured gypsum or gypsum plank	Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG	Polyset CR-20	(Optional) Additional layers(s) of base insulation	Polyset CR-20	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-215.0
G-9.	Existing poured gypsum or gypsum plank	(Optional) Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3, UltraMax	Polyset CR-20	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-245.0
INSULATION IN ICP ADHESIVES POLYSET BOARD-MAX:							
G-10.	Existing poured gypsum or gypsum plank	Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, ENRGY 3, H-Shield	Polyset BOARD-MAX	(Optional) Additional layers(s) of base insulation	Polyset BOARD-MAX	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-215.0
G-11.	Existing poured gypsum or gypsum plank	(Optional) Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, ENRGY 3, H-Shield, Multi-Max FA3	Polyset BOARD-MAX	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-245.0

TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Substrate (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)		
INSULATION IN HOT ASPHALT:							
R-1.	Existing asphaltic BUR or modified bitumen	Min. 1.5-inch Insulfoam IX	HA (back-mopped)	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	HA (back-mopped)	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-202.5
R-2.	Existing asphaltic BUR or modified bitumen	Min. 1.5-inch EnergyBoard II, ACFoam II or Multi-Max FA3	HA	(Optional) Additional layers(s) of base insulation	HA	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-215.0
R-3.	Existing asphaltic BUR or modified bitumen	(Optional) Min. 1.5-inch EnergyBoard II, ACFoam II or Multi-Max FA3	HA	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	HA	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-255.0
INSULATION IN IB RAPID SET INSULATION ADHESIVE, MILLENNIUM ONE STEP FOAMABLE ADHESIVE:							
R-4.	Existing asphaltic BUR or modified bitumen	Min. 1.5-inch EnergyBoard II, ACFoam II or Multi-Max FA3	IB-RSIA, M-OSFA, M-PG1	(Optional) Additional layers(s) of base insulation	IB-RSIA, M-OSFA, M-PG1	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-215.0
R-5.	Existing asphaltic BUR or modified bitumen	(Optional) Min. 1.5-inch EnergyBoard II, ACFoam II or Multi-Max FA3	IB-RSIA, M-OSFA, M-PG1	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	IB-RSIA, M-OSFA, M-PG1	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-232.5
INSULATION IN OLYBOND 500:							
R-6.	Existing asphaltic BUR or modified bitumen	Min. 1.0-inch Insulfoam IX	OB-500	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	OB-500	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-52.5

TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Substrate (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)		
R-7.	Existing asphaltic BUR or modified bitumen	Min. 2.0-inch Insulfoam IX	OB-500	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	OB-500	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-120.0
R-8.	Existing asphaltic BUR or modified bitumen	Min. 1.5-inch EnergyBoard II, ACFoam II	OB-500	(Optional) Additional layers(s) of base insulation	OB-500	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-120.0
R-9.	Existing asphaltic BUR or modified bitumen	(Optional) Min. 1.5-inch EnergyBoard II, ACFoam II	OB-500	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	OB-500	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-120.0
INSULATION IN ICP ADHESIVES POLYSET CR-20:							
R-10.	Existing smooth-surface asphaltic BUR or smooth- or granule-surface modified bitumen	One or more layers, min. 1.5-inch Insulfoam IX	Polyset CR-20	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-180.0
R-11.	Existing smooth-surface modified bitumen	Min. 1-inch Multi-Max FA3, UltraMax	Polyset CR-20	(Optional) Additional layer(s) base of base insulation	Polyset CR-20	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / Polyset CR-20-SPATTER	-222.5
R-12.	Existing smooth-surface modified bitumen	Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG	Polyset CR-20	(Optional) Additional layer(s) base of base insulation	Polyset CR-20	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-222.5
R-13.	Existing smooth-surface modified bitumen	(Optional) Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3, UltraMax	Polyset CR-20	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	✓ IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-222.5

TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Substrate (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)		
R-14.	Existing smooth-surface asphaltic BUR or granule-surface modified bitumen	Min. 1-inch Multi-Max FA3, UltraMax	Polyset CR-20	(Optional) Additional layer(s) base of base insulation	Polyset CR-20	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / Polyset CR-20-SPATTER	-250.0
R-15.	Existing smooth-surface asphaltic BUR or granule-surface modified bitumen	(Optional) Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3, UltraMax	Polyset CR-20	Min. 0.25-inch Dens Deck Prime	Polyset CR-20	✓ IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636	-257.5
R-16.	Existing smooth-surface asphaltic BUR	Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG	Polyset CR-20	(Optional) Additional layer(s) base of base insulation	Polyset CR-20	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-262.5
R-17.	Existing smooth-surface asphaltic BUR	(Optional) Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3, UltraMax	Polyset CR-20	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	✓ IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636	-262.5
R-18.	Existing smooth-surface asphaltic BUR	(Optional) Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3, UltraMax	Polyset CR-20	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / Polyset CR-20-SPATTER	-262.5
R-19.	Existing granule-surface modified bitumen	(Optional) Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3, UltraMax	Polyset CR-20	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	✓ IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636	-267.5
R-20.	Existing granule-surface modified bitumen	Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG	Polyset CR-20	(Optional) Additional layer(s) base of base insulation	Polyset CR-20	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-270.0
R-21.	Existing granule-surface modified bitumen	(Optional) Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3, UltraMax	Polyset CR-20	Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / Polyset CR-20-SPATTER	-270.0
INSULATION IN ICP ADHESIVES POLYSET BOARD-MAX:							

TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Substrate (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)		
R-22.	Existing smooth-surface asphaltic BUR or granule-surface modified bitumen	One or more layers, min. 1.5-inch Insulfoam IX	Polyset BOARD-MAX	Min. 0.25-inch Dens Deck or SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-180.0
R-23.	Existing smooth-surface asphaltic BUR or granule-surface modified bitumen	Min. 1-inch Multi-Max FA3, UltraMax	Polyset BOARD-MAX	(Optional) Additional layer(s) base of base insulation	Polyset BOARD-MAX	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / Polyset CR-20-SPATTER	-250.0
R-24.	Existing smooth-surface asphaltic BUR or granule-surface modified bitumen	(Optional) Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3, UltraMax	Polyset BOARD-MAX	Min. 0.5-inch Dens Deck Prime	Polyset BOARD-MAX	✓ IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20-SPATTER	-232.5
R-25.	Existing smooth-surface asphaltic BUR	Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG	Polyset BOARD-MAX	(Optional) Additional layer(s) base of base insulation	Polyset BOARD-MAX	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-262.5
R-26.	Existing smooth-surface asphaltic BUR	(Optional) Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3, UltraMax	Polyset BOARD-MAX	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX	✓ IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20-SPATTER	-262.5
R-27.	Existing granule-surface modified bitumen	(Optional) Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3, UltraMax	Polyset BOARD-MAX	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX	✓ IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636	-267.5
R-28.	Existing granule-surface modified bitumen	Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG	Polyset BOARD-MAX	(Optional) Additional layer(s) base of base insulation	Polyset BOARD-MAX	✓ "IB PVC" or "IB PVC Single Ply" / IB-Vertibond, IB-Vertibond-432, IB-WBA or IB-WBA-636 ✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / IB-Vertibond, IB-Vertibond-432, IB-WBA, IB-WBA-636 or Polyset CR-20 SPATTER	-270.0
R-29.	Existing granule-surface modified bitumen	(Optional) Min. 1-inch IB EnergyBoard II, IB EnergyBoard III, ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3, UltraMax	Polyset BOARD-MAX	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX	✓ "IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback" / Polyset CR-20-SPATTER	-270.0

TABLE 7B: STEEL - RECOVER SYSTEM TYPE C-2: PLATE-BONDED ROOF COVER *(All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin.)*						
System No.	**Substrate (See Note 1)**	**Insulation**	**Attachment**		**Roof Cover (Note 15B)**	**MDP (psf)**
			Fasteners	**Spacing**		
R-30.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi steel purlins spaced **max. 60-inch o.c.**	One or more layers, any combination, preliminarily fastened	SFS Dekfast DF-#12-PC-SQ with SFS *isoweld®* PVC Plates (FI-P-6.8-PVC) are fastened through to purlins	12-inch o.c. along purlins	"IB PVC" or "IB PVC Single Ply" induction welded to SFS *isoweld®* PVC Plates with SFS *isoweld®* 3000 tool.	-45.0
R-31.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi steel purlins spaced **max. 48-inch o.c.**	One or more layers, any combination, preliminarily fastened	SFS Dekfast DF-#12-PC-SQ with SFS *isoweld®* PVC Plates (FI-P-6.8-PVC) are fastened through to purlins	12-inch o.c. along purlins	"IB PVC" or "IB PVC Single Ply" induction welded to SFS *isoweld®* PVC Plates with SFS *isoweld®* 3000 tool.	-67.5
R-32.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi steel purlins spaced **max. 60-inch o.c.**	One or more layers, any combination, preliminarily fastened	SFS Dekfast DF-#12-PC-SQ with SFS *isoweld®* PVC Plates (FI-P-6.8-PVC) are fastened through to purlins	6-inch o.c. along purlins	"IB PVC" or "IB PVC Single Ply" induction welded to SFS *isoweld®* PVC Plates with SFS *isoweld®* 3000 tool.	-90.0
R-33.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi steel purlins spaced **max. 48-inch o.c.**	One or more layers, any combination, preliminarily fastened	SFS Dekfast DF-#12-PC-SQ with SFS *isoweld®* PVC Plates (FI-P-6.8-PVC) are fastened through to purlins	9-inch o.c. along purlins	"IB PVC" or "IB PVC Single Ply" induction welded to SFS *isoweld®* PVC Plates with SFS *isoweld®* 3000 tool.	-97.5

TABLE 2D: STEEL – RECOVER SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER *(All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin.)*						
System No.	**Substrate (Note 1)**	**Insulation**	**Roof Cover**			**MDP (psf)**
			Membrane	**Fasteners (Note 11)**	**Attach**	
R-34.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi steel purlins spaced **max. 60-inch o.c.**	One or more layers, any combination, preliminarily fastened	"IB PVC" or "IB PVC Single Ply"	SFS Dekfast DF-#12-PC-SQ with Dekfast PLT-2-3/8-6B plates, through to engage steel purlins	In-Seam: 12-inch x 60-inch	-45.0
R-35.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi steel purlins spaced **max. 60-inch o.c.**	One or more layers, any combination, preliminarily fastened	"IB PVC" or "IB PVC Single Ply"	SFS Dekfast DF-#12-PC-SQ with Dekfast PLT-2-3/8-6B plates, through to engage steel purlins	In-Seam: 6-inch x 60-inch	-67.5
R-36.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi steel purlins spaced **max. 30-inch o.c.**	One or more layers, any combination, preliminarily fastened	"IB PVC" or "IB PVC Single Ply"	SFS Dekfast DF-#12-PC-SQ with Dekfast PLT-2-3/8-6B plates, through to engage steel purlins	In-Seam: 6-inch x 30-inch	-127.5

TABLE 7D: RECOVER APPLICATIONS SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER				
System No.	Substrate (Notes 1 & 12)	Roof Cover (Note 15)		MDP (psf)*
		Type	Attach	
R-37.	Existing fully adhered, smooth-surface asphalt built-up or smooth-surface APP modified bitumen roof or granule-surface asphalt-built-up or granule-surface APP or SBS modified bitumen roof over wood, steel, structural concrete, lightweight concrete, cementitious wood fiber or gypsum deck	"IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback"	M-PG1, 12-inch o.c.	-67.5
R-38.	Existing fully adhered, smooth-surface APP modified bitumen roof over wood, steel, structural concrete, lightweight concrete, cementitious wood fiber or gypsum deck	"IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback"	Polyset CR-20-SPATTER	-75.0
R-39.	Existing fully adhered, smooth-surface asphalt built-up or smooth-surface APP modified bitumen roof or granule-surface asphalt-built-up or granule-surface APP or SBS modified bitumen roof over wood, steel, structural concrete, lightweight concrete, cementitious wood fiber or gypsum deck	"IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback"	M-PG1, 6-inch o.c.	-112.5
R-40.	Existing fully adhered, smooth-surface asphalt built-up roof or granule-surface asphalt-built-up or granule-surface APP or SBS modified bitumen roof over wood, steel, structural concrete, lightweight concrete, cementitious wood fiber or gypsum deck	"IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback"	ICP-CR20, spatter	-112.5
R-41.	Existing mechanically fastened base sheet with fully adhered, granule-surface asphalt-built-up or granule-surface APP or SBS modified bitumen roof over wood, steel, structural concrete, lightweight concrete, cementitious wood fiber or gypsum deck	"IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback"	M-PG1, 6-inch o.c. or ICP-CR20 spatter	-112.5
R-42.	Existing fully adhered, smooth-surface, asphalt built-up roof over structural concrete deck	"IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback"	Polyset CR-20-SPATTER	-222.5
R-43.	Existing fully adhered, granule-surface SBS or APP modified bitumen roof over structural concrete deck	"IB PVC Fleeceback" or "IB PVC Single Ply Fleeceback"	Polyset CR-20-SPATTER	-250.0