NEMO|etc.
Certificate of Authorization #32455
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ENGINEER **TEST** **CONSULT**

P.E. EVALUATION REPORT (PEER)

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

PEER-IBR-002.B.R11
FL2534-R21 (HVHZ)
Date of Issuance: 10/10/2017
Revision 11: 01/31/2025

SCOPE:
This P.E. Evaluation Report (henceforth 'PEER') is issued under **F.A.C.** 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 **8th Edition (2023) Florida Building Code, High Velocity Hurricane Zone (HVHZ)** sections noted herein.

DESCRIPTION: IB Single Ply Roof Systems (HVHZ)

LABELING: Labeling shall be in accordance with the requirements of the Accredited Quality Assurance Agency noted herein.

CONTINUED COMPLIANCE: This PEER 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 PEERs 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 PEER relative to updated Code requirements with each Code Cycle.

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

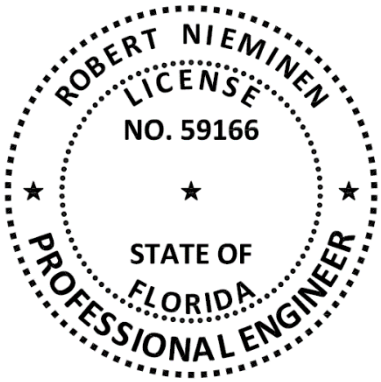
INSPECTION: Upon request, a copy of this entire PEER shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This PEER consists of pages 1 through 5, plus 67-pages of Appendix.

Prepared by:

Digitally signed by Robert Nieminen
Date: 2025.01.31 '13:12:27 -05'00

This item has been digitally signed and sealed by Robert Nieminen, P.E.
Printed copies of this document are not considered signed and sealed, and the signature must be verified on any electronic copies.
Robert Nieminen, Florida P.E. 59166, FBC ANE1983
NEMO ETC, LLC, Florida CA #32455



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 PEERs 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 PEER, 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
Product Approval Method: Method 1, Option D – Codified Material, Evaluation by Engineer
Compliance Statement: **IB Single-Ply Roof Systems**, as produced by **IB Roof Systems, Inc.**, have demonstrated compliance with the following sections of the **8th Edition (2023) 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 of Use set forth herein.

2. STANDARDS:

SECTION	PROPERTY	STANDARD
TAS 110	Resistance to Foot Traffic	TAS 114, Section 8.9
TAS 110	Wind resistance	TAS 114, Appendix C, D or J
TAS 110	Susceptibility Hail Damage	TAS 114, Appendix F
TAS 110	Susceptibility to Leakage	TAS 114, Appendix G
TAS 110	Material standard	ASTM D4434

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
NEMO (TST6049)	ASTM D4434 / G154	4r-CGT-23-SSTHP-01.A	04/24/2024
ERD (TST6049)	TAS 114	01090.01.03-1	01/22/2003
ERD (TST6049)	TAS 114	I11110.11.08-2	12/01/2008
ERD (TST6049)	TAS 114	I11110.02.09	02/05/2009
ERD (TST6049)	TAS 114	U33320.08.10-1	08/20/2010
ERD (TST6049)	TAS 114	E45690.08.13-R1	08/23/2013
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	1Z5A6.AM	10/25/1996
FM (TST1867)	FM 4470	0D0A3.AM	04/04/1997
FM (TST1867)	FM 4470	2B8A4.AM	07/02/1997
FM (TST1867)	FM 4470	2D0A0.AM	12/23/1998
FM (TST1867)	FM 4470	2D5A9.AM	06/22/1999
FM (TST1867)	FM 4470	3001243	11/23/1999
FM (TST1867)	FM 4470	3005937	11/23/1999
FM (TST1867)	FM 4470	3005938	11/23/1999
FM (TST1867)	FM 4470	3001334	01/25/2000
FM (TST1867)	FM 4470	3009502	12/21/2000
FM (TST1867)	FM 4470	3011494	08/22/2001
FM (TST1867)	FM 4470	3002416	02/07/2002
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	3022038	04/05/2006
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

ENTITY	EXAMINATION	REFERENCE	DATE
FM (TST1867)	FM 4470/4474	3026528	11/21/2006
FM (TST1867)	FM 4470/4474	3025185	05/22/2007
FM (TST1867)	FM 4470/4474	3029864	09/06/2007
FM (TST1867)	FM 4470/4474	3033320	05/13/2008
FM (TST1867)	FM 4470	3043824	04/06/2012
FM (TST1867)	FM 4470	3047398	08/15/2013
FM (TST1867)	FM 4470/4474	3046940	09/13/2013
FM (TST1867)	FM 4470	3054838	02/13/2015
FM (TST1867)	FM 4470	3056207	02/09/2016
FM (TST1867)	FM 4470	3054065	04/05/2016
FM (TST1867)	FM 4470	3054028	05/25/2016
FM (TST1867)	FM 4470	3055845	05/25/2016
FM (TST1867)	FM 4470	3051392	10/03/2016
FM (TST1867)	FM 4470/4474	3055491	12/05/2016
FM (TST1867)	FM 4470	3053933	06/30/2015
FM (TST1867)	FM 4470	3055167	02/10/2016
FM (TST1867)	FM 4470	3058058	11/04/2016
FM (TST1867)	FM 4470	3058300	07/13/2017
FM (TST1867)	FM 4470/4474	3063970	09/14/2018
FM (TST1867)	FM 4474	3059661	09/21/2018
FM (TST1867)	FM 4470	PR450261	10/22/2019
FM (TST1867)	FM 4470	PR453353	01/31/2020
FM (TST1867)	Criticality	PR456960 LTR	02/09/2021
FM (TST1867)	FM 4474	PR457312	04/20/2021
FM (TST1867)	Criticality	PR461495	06/30/2022
FM (TST1867)	FM 4474	PR460994	04/28/2023
FM (TST1867)	Criticality	PR465690 (DATA)	11/20/2023
FM (TST1867)	Criticality	PR465690	01/30/2024
NEMO (TST6049)	TAS 114	NG-SC16705.10.18	10/29/2018
NEMO (TST6049)	TAS 114	4L-RAS-18-002.1A	05/28/2019
NEMO (TST6049)	TAS 114	4L-CEL-18-001.12.18-2	07/10/2019
NEMO (TST6049)	TAS 114	4a-CEL-19-LSWUS-01.B	09/17/2019
NEMO (TST6049)	TAS 114	4a-ICP-19-LSWUS-01.A	11/08/2019
NEMO (TST6049)	Criticality	4i-IBR-19-SSCRT-01.A	11/14/2019
NEMO (TST6049)	FM 4474	2L-ERD-18-001.03.20.A-R1	03/12/2020
NEMO (TST6049)	Criticality	4i-IBR-20-SSCRT-01.A	07/09/2020
NEMO (TST6049)	TAS 114	4a-IBR-20-LSWUS-01.A	12/15/2020
NEMO (TST6049)	Criticality	4i-IBR-21-SSCRT-01.A	09/27/2021
NEMO (TST6049)	FM 4474	4a-VPS-22-LSWUS-01.A	02/13/2023
NEMO (TST6049)	FM 4474	4a-ERD-23-LSWUS-03.A	06/15/2023
NEMO (TST6049)	TAS 114	4a-IBR-23-LSWUS-01.A	10/13/2023
NEMO (TST6049)	TAS 114	4a-IBR-23-LSWUS-02.A	11/13/2023
NEMO (TST6049)	TAS 114	4a-IBR-23-LSWUS-05.A	11/13/2023
NEMO (TST6049)	TAS 114	4a-IBR-23-LSWUS-06.A	11/13/2023
NEMO (TST6049)	Criticality	4i-IBR-23-SSCRT-01	09/06/2023
NEMO (TST6049)	Criticality	4i-IBR-23-SSCRT-03.A	11/27/2023
NEMO (TST6049)	TAS 114	4a-VPS-22-LSWUS-01.A	02/13/2023
NEMO (TST6049)	TAS 114	4a-ERD-23-LSWUS-03.A	06/15/2023
NEMO (TST6049)	TAS 114	4a-IBR-23-LSWUS-03.A	01/29/2024
NEMO (TST6049)	TAS 114	4a-IBR-23-LSWUS-07.A	01/29/2024
NEMO (TST6049)	TAS 114	4a-IBR-23-LSWUS-08.A	12/11/2023
NEMO (TST6049)	Criticality	4i-IBR-23-SSCRT-04.A	12/11/2023
NEMO (TST6049)	TAS 114	4a-HBF-LSWUS-001	01/11/2024
NEMO (TST6049)	TAS 114	4a-CEL-LSWUS-001.B	02/12/2024
NEMO (TST6049)	TAS 114	4a-IBR-23-LSWUS-09.A	03/14/2024
NEMO (TST6049)	Criticality	4i-VPS-SSCRT-001.A	05/08/2024
NEMO (TST6049)	TAS 114	4a-ERD-23-LSWUS-04	05/09/2024
NEMO (TST6049)	TAS 114	4a-IBR-23-LSWUS-07.A	05/10/2024
NEMO (TST6049)	TAS 114	4a-IBR-23-LSWUS-03.A	06/04/2024
NEMO (TST6049)	TAS 114	4a-IBR-23-LSWUS.04.A	06/04/2024
NEMO (TST6049)	FM 4474/TAS 114	4a-VPS-LSWUS-002.A	10/16/2024
PRI (TST5878)	TAS 114	2111T0009	05/13/2021

ENTITY	EXAMINATION	REFERENCE	DATE
NEMO	Traceability	FBC Cross-Listing	07/22/2021
NEMO	Data Release	DRA-HBF	02/03/2023
NEMO	Data Release	DRA-CGT	05/04/2023
NEMO	Data Release	DRA-CEL	06/05/2023
NEMO	Data Release	DRA-ARX	07/01/2023
NEMO	Data Release	DRA-EZL	07/03/2023
NEMO	Data Release	DRA-USG	09/05/2023
NEMO	Data Release	DRA-USP	09/08/2023
NEMO	Data Release	DRA-AB	11/14/2023
NEMO	Data Release	DRA-VPS	05/31/2024
Supplier / Manufacturer	Quality Control	Declaration	09/15/2016
UL, LLC. (QUA9625)	Quality Control	MLA	10/31/2016
UL, LLC. (QUA9625)	Quality Control	Service Confirmation	06/26/2023
UL, LLC. (QUA9625)	Traceability	ML File No. R15546	07/13/2021
UL, LLC. (QUA9625)	Quality Control	Florida BCIS	Current

4. PRODUCT DESCRIPTION:

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

TABLE 1: EVALUATED MEMBRANES

TYPE	PRODUCT		MATERIAL STANDARD		PLANT(S)
			REFERENCE	TYPE	
ROOF COVER	IB PVC Single Ply	50, 60 or 80-mil	ASTM D444	III	Cambridge, Ontario
	IB PVC Single Ply ChemGuard	50, 60 or 80-mil	ASTM D444	III	
	IB PVC Single Ply Fleeceback	50, 60 or 80-mil	ASTM D444	III	
	IB PVC Single Ply ChemGuard Fleeceback	50, 60 or 80-mil	ASTM D444	III	
	IB PVC	50, 60 or 80-mil	ASTM D444	III	Mountain Top, PA
	IB PVC Fleeceback	50, 60 or 80-mil	ASTM D444	III	

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 PEER, or previous versions thereof, is/was used for permitting or design guidance. PEERs are not to be construed as representing any attributes not specifically listed, nor are PEERs to be construed as an endorsement of the subject, or a recommendation for its use. There is no warranty by NEMO ETC, LLC or Robert Nieminen, P.E., express or implied, as to any finding or other matter in this PEER, or as to any product covered by the PEER.

5.2 This PEER is exclusively for use in High Velocity Hurricane Zone jurisdictions, as defined in FBC Chapter 2 (Broward and Miami-Dade Counties).

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 PEER 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 PEER 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**.
For systems using Trufast Versa-Fast, the number of Versa-Fast Fasteners installed through the Versa-Fast Plate may be increased from the minimum noted to yield minimum required withdrawal resistance.

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 **RAS 137**. ***This extrapolation is not permitted for systems marked with an asterisk****.

5.7.3 For tables and/or 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 PEER.

6. INSTALLATION:

IB Single Ply Roof Systems shall be installed in accordance with **IB Roof Systems** published installation instructions, subject to the Limitations 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 (QUA9625): (360) 817-5512; bsai.inspections@ul.com

- THE 67-PAGES THAT FOLLOW FORM PART OF THIS PEER -

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APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE

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. Recessed plates are not for use with cement-based or gypsum-based hardboard coverboards. Fasteners shall be of sufficient length for the following engagements:

Fastener/Plate Options				
Deck Type	By	FBC HVHZ	Parts	Minimum Engagement
Wood	OMG, Inc.	NOA 23-0718.03	OMG #12 Roofgrip or OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plates	Minimum ¾-inch plywood penetration or minimum 1-inch wood plank embedment
	SFS Group USA	NOA 22-0913.02	Dekfast DF-#12-PH3 or Dekfast DF-#14-PH3 with Dekfast PLT-R-3	
Steel	OMG, Inc.	NOA 23-0718.03	OMG #12 Roofgrip, OMG #14 Heavy Duty or OMG XHD with OMG 3 in. Galvalume Steel Plates	Minimum ¾-inch steel penetration and engage the top flute of the steel deck
	SFS Group USA	NOA 22-0913.02	Dekfast DF-#12-PH3, Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with Dekfast PLT-R-3	
Structural Concrete	OMG, Inc.	NOA 23-0718.03	OMG #14 Heavy Duty 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
	SFS Group USA	NOA 22-0913.02	Dekfast DF-#14-PH3 with Dekfast PLT-R-3	

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 Minimum 200 psi, minimum 2-inch thick FBC HVHZ Approved lightweight insulating concrete may be substituted for or installed below, rigid insulation board for System Types B-1, C-1, C-2, D-1 or D-2, whereby fasteners are installed through the lightweight insulating concrete to engage the structural deck. The structural deck shall be of equal or greater type, thickness and strength to the steel and structural concrete deck listings. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction. This is a wind uplift resistance allowance and does not purport to address non-wind-uplift-related issues, such as deck venting or moisture levels within the LWIC and the potential effect on overlying components. 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: Unless otherwise noted, use FBC HVHZ Approved roofing fasteners and plates minimum four fasteners per 4 x 8 ft board or minimum two fasteners per 4 x 4 ft board.

6 Unless otherwise noted, insulation adhesive application rates are as follows.
- ✓ Ribbon or bead width is at the time of application; the ribbons/beads shall expand as noted in the manufacturer's published instructions.
- ✓ If applying hot asphalt to concrete deck, deck shall be primed with ASTM D41 primer.
- ✓ When multiple layers(s) of insulation and/or coverboard are installed in ribbon-applied adhesive, board joints shall be staggered.
- ✓ The maximum edge distance from the adhesive ribbon to the edge of the insulation board shall be not less than one-half the specified ribbons spacing.

Insulation Adhesive References				
By	FBC HVHZ	Adhesive	Reference	Minimum Rate
Altenloh, Brinck & Co US, Inc.	NOA 21-0511.03	TRUFAST Roofing Adhesive	TF-RA	Continuous 0.75 to 1-inch wide ribbons, 12-inch o.c.
		TRUFAST Roofing Adhesive Tanks	TF-RAT	Continuous 0.75 to 1-inch wide ribbons, 12-inch o.c. Note: Unlesss otherwise noted, TRUFAST Roofing Adhesive Tanks may be used in place of TRUFAST Roofing Adhesive for insulation securement, but is limited to a MDP = -315.0 psf.
Dupont de Nemours	FBC FL720	INSTA STIK Quik Set Insulation Adhesive	Insta-Stik	Continuous 0.75 to 1-inch ribbons, 12-inch o.c.
H.B. Fuller Company	NOA 21-1018.06	Millennium One-Step Foamable Adhesive	M-OSFA	Continuous 0.5 to 0.75-inch ribbons, 12-inch o.c.
		Millennium PG-1 Pump Grade Adhesive	M-PG1	Continuous 0.5 to 0.75-inch ribbons, 12-inch o.c.
		Millennium PG-1 EF ECO	M-PG1-EF-ECO	Continuous 1 to 1.5-inch ribbons, 12-inch o.c.
	Note:	*See Note 18 for acceptable alternates.*		

Insulation Adhesive References				
By	FBC HVHZ	Adhesive	Reference	Minimum Rate
ICP Construction, Inc.	NOA 22-0614.11	Polyset BOARD-MAX	Polyset BOARD-MAX	Continuous 3-inch ribbons, 12-inch o.c.
	NOA 21-1115.05	Polyset Commercial Roof Adhesive	Polyset CRA	Continuous 2.5 to 3.5-inch ribbons, 12-inch o.c.
OMG, Inc.	NOA 24-0422.18	OlyBond 500 Adhesive Fastener	OB500	Continuous 0.75 to 1-inch wide ribbons, 12-inch o.c. Note: Canister, PaceCart or SpotShot dispensing options.
Generic	N/A	ASTM D312, Type IV hot asphalt	HA	Full coverage at 25-30 lbs/square

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

MDP Limitations for Tapered Polyisocyanurate Insulations				
Adhesive	Coverage	Insulation	Min. Tapered Thickness (in)	MDP (psf)
M-OSFA, M-PG1 or M-PG1-EF-ECO	12-inch o.c.	Listed polyisocyanurate	0.5	-210.0
M-OSFA, M-PG1 or M-PG1-EF-ECO	12-inch o.c.	Listed flat stock polyisocynurate covered with tapered polyisocyanurate covered with listed gypsum-based coverboard	0.5	-360.0
Polyset CRA	12-inch o.c.	Listed polyisocyanurate	1.0	-117.5
OB500	12-inch o.c.	Rmax "Multi-Max FA3"	0.5	-45.0
		Johns Manville "ENRGY 3"	0.5	-315.0
		EnergyBoard II or Atlas "ACFoam II"	0.5	-487.5

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 RAS 137. *This extrapolation is not permitted for systems marked with an asterisk*

10 For tables and/or 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 RAS 137 – may be submitted to the Building Official for review and acceptance. For systems using Trufast Versa-Fast, the number of Versa-Fast Fasteners installed through the Versa-Fast Plate may be increased from the minimum noted in order to yield minimum required withdrawal resistance.

12 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 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 the base insulation layer is optional and for System Type 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). 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				
REFERENCE	MEMBRANE	ADHESIVE	APPLICATION	RATE
BB-VB	IB PVC, IB PVC Single Ply or IB PVC Single Ply ChemGuard	IB Vertibond PVC Bonding Adhesive	Contact (both sides)	1 gal per 50 to 70 square feet, finish
BB-VB-432	IB PVC, IB PVC Single Ply or IB PVC Single Ply ChemGuard	IB Vertibond 432 Bonding Adhesive	Contact (both sides)	1 gal per 60 square feet, finish
BB-WBA	IB PVC, IB PVC Single Ply or IB PVC Single Ply ChemGuard	IB Water Borne Adhesive	Wet lay (substrate)	1 gal per 125 to 175 square feet
BB-WBA-636	IB PVC, IB PVC Single Ply or IB PVC Single Ply ChemGuard	IB Water Borne 636 Adhesive	Wet lay (substrate)	1 gal per 140 to 180 square feet
BB-SPRAY-PVC	IB PVC Single Ply or IB PVC Single Ply ChemGuard	HB Fuller Millennium Sprayable PVC Single Ply Bonding Adhesive	Contact (both sides)	1,000 square feet per canister, finish
		Note: *BB-Sprayable-PVC is an acceptable alternate to BB-WBA when applied to polyisocyanurate insulation, DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass Mat Roof Board.*		
FB-VB	IB PVC Fleeceback, IB PVC Single Ply Fleeceback or IB PVC ChemGuard Fleeceback	IB Vertibond PVC Bonding Adhesive	Contact (both sides)	1 gal per 45 to 60 square feet, finish
FB-VB-432	IB PVC Fleeceback, IB PVC Single Ply Fleeceback or IB PVC ChemGuard Fleeceback	IB Vertibond 432 Bonding Adhesive	Contact (both sides)	1 gal per 60 square feet, finish
FB-WBA	IB PVC Fleeceback, IB PVC Single Ply Fleeceback or IB PVC ChemGuard Fleeceback	IB Water Borne Adhesive	Wet lay (substrate)	1 gal per 100 to 160 square feet
FB-WBA-636	IB PVC Fleeceback, IB PVC Single Ply Fleeceback or IB PVC ChemGuard Fleeceback	IB Water Borne 636 Adhesive	Wet lay (substrate)	1 gal per 100 to 120 square feet
FB-CRA	IB PVC Fleeceback, IB PVC Single Ply Fleeceback or IB PVC ChemGuard Fleeceback	ICP Adhesives Polyset CRA	Wet lay (substrate)	"Spatter pattern" at 3.75 lbs/sq.
FB-PG1	IB PVC Fleeceback, IB PVC Single Ply Fleeceback or IB PVC ChemGuard Fleeceback	HB Fuller Millennium PG-1 Pump Grade Adhesive	Wet lay (substrate)	Continuous ribbons spaced as noted in tables herein.
FB-PG1-LPS	IB PVC Fleeceback, IB PVC Single Ply Fleeceback or IB PVC ChemGuard Fleeceback	HB Fuller Millennium PG-1 Pump Grade Adhesive	Wet lay (substrate)	Low-Pressure Spray at 1,300 to 1,800 square feet per 5 gallon kit (0.55 to 0.75 gal/square)
FB-PG1-EF-ECO	IB PVC Fleeceback, IB PVC Single Ply Fleeceback or IB PVC ChemGuard Fleeceback	HB Fuller Millennium PG-1 EF ECO	Wet lay (substrate)	"Spatter pattern" at 0.3 gal/square.
FB-SPRAY-PVC	IB PVC Single Ply Fleeceback or IB PVC ChemGuard Fleeceback	HB Fuller Millennium Sprayable PVC Single Ply Bonding Adhesive	Contact (both sides)	800 to 900 square feet per canister, finish
		Note: *FB-SPRAY-PVC is an acceptable alternate to FB-WBA when applied to polyisocyanurate insulation, DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass Mat Roof Board.*		
SBS-TA1	Polyglass "Elastoflex S6" or "Elastoflex V"	Torch-applied		
SBS-TA2	US Ply "DuraFlex 60TG SBS Base" or "DuraFlex 90TG SBS Base, torch-applied	Torch-applied		
SBS-TA3	SOPREMA "ELASTOPHENE SP 2.2" or "SOPRALENE 180 SP 3.0"	Torch-applied		

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. Seams shall be sealed with a min. 1.5-inch heat weld. 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

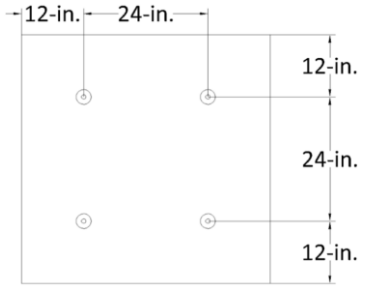
16 **Thermal Barrier and/or Vapor or Air Barrier Options:**

16A Structural Concrete Decks: The lesser of the MDP listings below vs. that for the selected assembly applies.

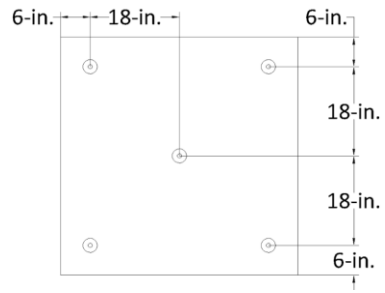
VAPOR OR AIR BARRIER OPTIONS; STRUCTURAL CONCRETE DECK; FOLLOWED BY ADHESIVE-APPLIED INSULATION					
OPTION #	PRIMER	VAPOR OR AIR BARRIER		INSULATION ADHESIVE PER TABLE 3A (NOTES 6,7,8)	MDP (PSF)*
		TYPE	APPLICATION		
C-VB-1.	None	Vaproshield "SlopeShield Plus SA"	Self-adhering	M-OSFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c.	-75.0
C-VB-2.	None	Vaproshield "SlopeShield Plus SA"	Self-adhering	M-OSFA, M-PG1 or M-PG1-EF-ECO	-185.0
C-VB-3.	None	Vaproshield "BlockShield SA Plus"	Self-adhering	M-OSFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c.	-202.5
C-VB-4.	IBarrier Primer or IBarrier Primer LV	IBarrier	Self-adhering	M-OSFA, M-PG1 or M-PG1-EF-ECO	-495.0
C-VB-5.	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	M-OSFA, M-PG1 or M-PG1-EF-ECO	-495.0
C-VB-6.	ASTM D41	Holcim "Elevate SBS Glass FR Torch" or "Elevate SBS Poly Torch Base"	Torch-applied	M-OSFA, M-PG1 or M-PG1-EF-ECO	-495.0
C-VB-7.	ASTM D41	SBS-TA1 or SBS-TA2	Torch-applied	M-OSFA, M-PG1 or M-PG1-EF-ECO	-495.0
C-VB-8.	ASTM D41	CertainTeed "Flintlastic GTA", Holcim "Elevate APP 180 FR", GAF "Ruberoid Torch Granule", Johns Manville "APPeX 4.5M", SOPREMA "ELASTOPHENE Flam GR" or "SOPRALENE Flam 180 FR GR" or "SOPRALENE Flam 250 FR GR" or Siplast "Paradiene 30 TG"	Torch-applied	Polyset CRA	-169.0
C-VB-9.	ASTM D41	CertainTeed "Flintlastic SA Cap", GAF "Liberty SBS Self-Adhering Cap Sheet", Polyglass "Elastoflex SA P" or SOPREMA "ELASTOPHENE Stick FR GR"	Self-adhering	Polyset CRA	-250.0
C-VB-10.	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 CRA	-262.5
C-VB-11.	ASTM D41	CertainTeed "Flintlastic GMS", Holcim "Elevate SBS Cap", GAF "Ruberoid 30 Granule", Johns Manville "DynaGlas", SOPREMA "ELASTOPHENE LS FR GR" or "SOPRALENE 180 FR GR" or "SOPRALENE 250 FR GR" or Siplast "Paradiene 30"	Hot asphalt	Polyset CRA	-270.0
C-VB-12.	IBarrier Primer or IBarrier Primer LV	IBarrier	Self-adhering	OB500	-307.5

17 Unless otherwise noted, insulation or coverboard attachment patterns for Type B-1, Type B-2, Type C-1 and C-2 systems are as outlined below.

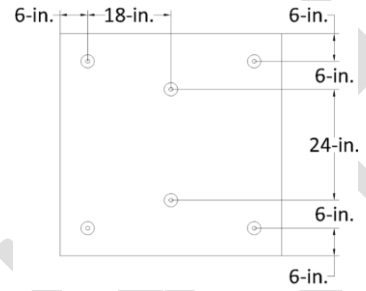
INSULATION ATTACHMENT PATTERNS – 4X4 FT BOARDS



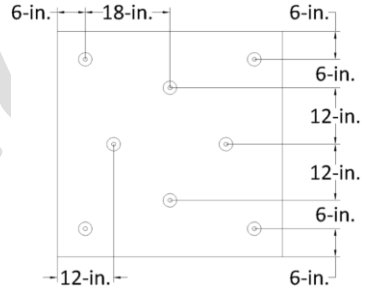
1 per 4.0 ft² (4 per board)



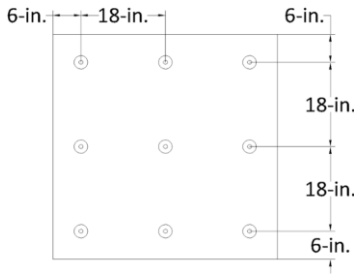
1 per 3.2 ft² (5 per board)



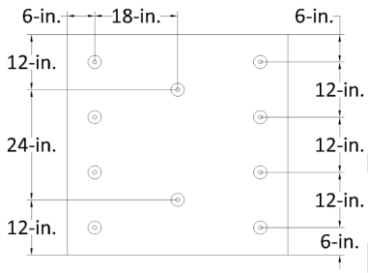
1 per 2.7 ft² (6 per board)



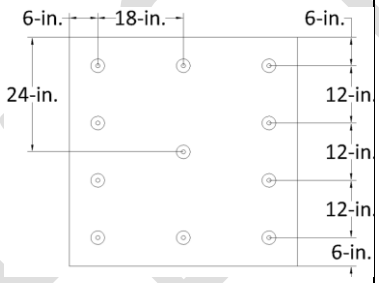
1 per 2.0 ft² (8 per board)



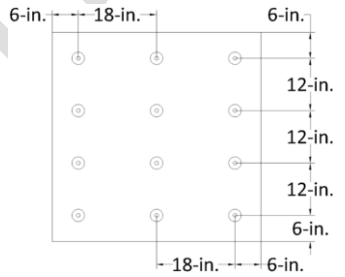
1 per 1.8 ft² (9 per board)



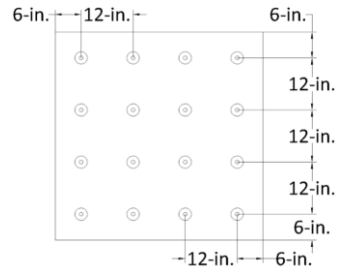
1 per 1.6 ft² (10 per board)



1 per 1.45 ft² (11 per board)

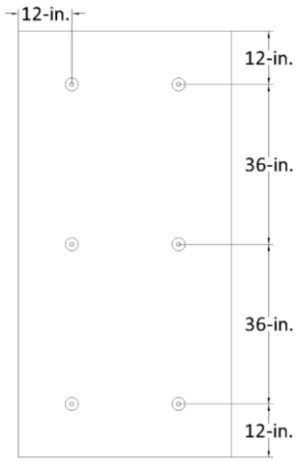


1 per 1.3 ft² (12 per board)

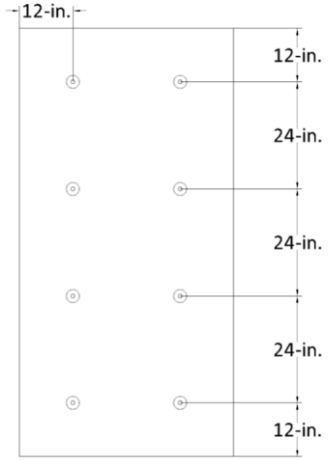


1 per 1.0 ft² (16 per board)

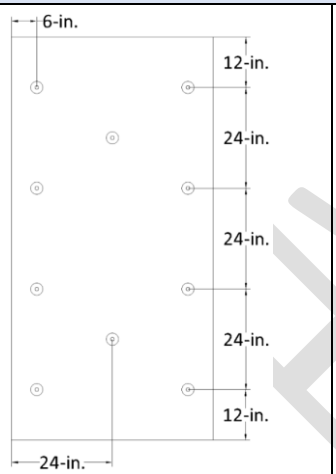
INSULATION ATTACHMENT PATTERNS – 4X8 FT BOARDS



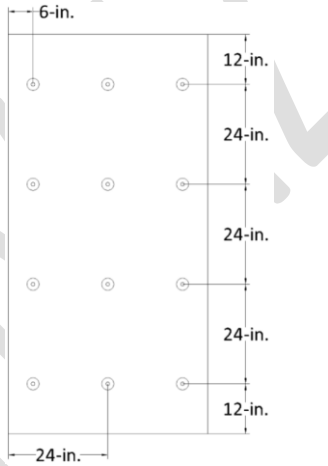
1 per 5.3 ft² (6 per board)



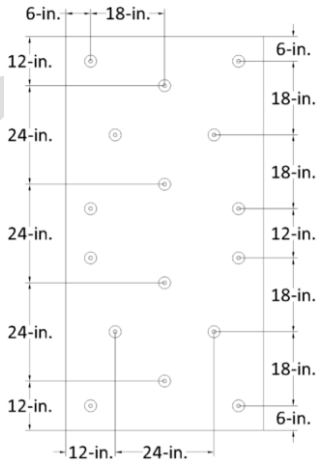
1 per 4.0 ft² (8 per board)



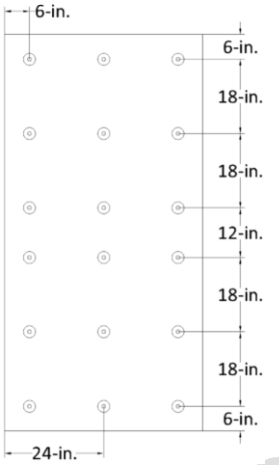
1 per 3.2 ft² (10 per board)



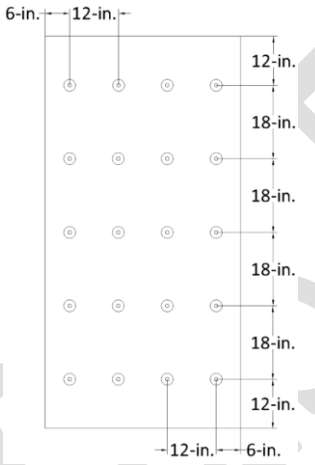
1 per 2.7 ft² (12 per board)



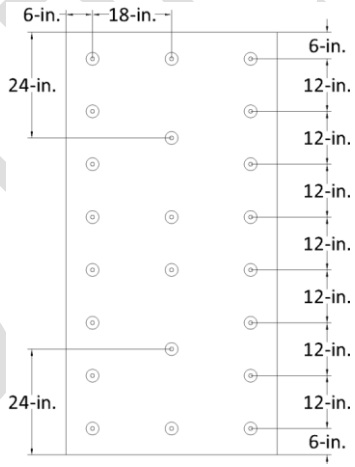
1 per 2.0 ft² (16 per board)



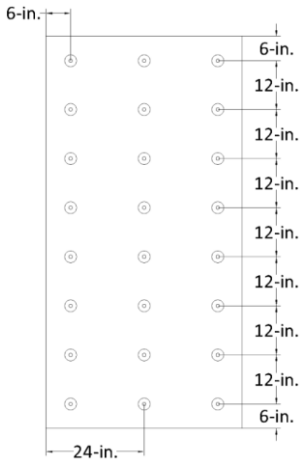
1 per 1.8 ft² (18 per board)



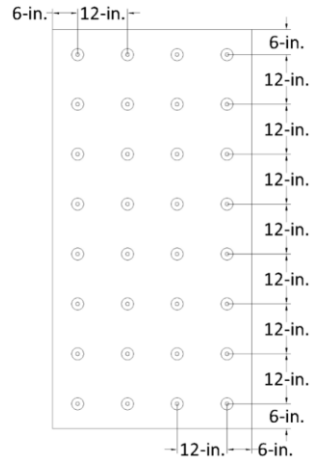
1 per 1.6 ft² (20 per board)



1 per 1.45 ft² (22 per board)



1 per 1.3 ft² (24 per board)



1 per 1.0 ft² (32 per board)

18 The following products are interchangeable within the scope of this PEER:

Acceptable Alternates				
Sub-Category	**Manufacturer**	**FBC HVHZ**	**Listed Product Herein**	**Alternate**
Adhesives	H.B. Fuller Company	NOA 21-1018.06	Millennium One Step Foamable Adhesive (M-OSFA)	Millennium One Step Green Foamable Adhesive IB Rapid Set Insulation Adhesive
			Millennium PG-1 Pump Grade Adhesive (M-PG1 and FB-PG1-LPS)	IB Rapid Set PG Foam
			Millennium PG-1 EF ECO (M-PG1-EF-ECO and FB-PG1-EF-ECO)	Millennium PG-1 SAF Pump Grade Adhesive IB Rapid Set ECO Canister Foam
Fasteners	OMG	NOA 24-0627.03	OMG #12 Roofgrip	IB Standard Fastener
			OMG #14 Heavy Duty	IB Heavy Duty Fastener
			OMG XHD	IB Magnum Fastener
			OMG 3 in. Galvalume Steel Plate	IB Insulation Plate
	SFS Group USA	NOA 22-0913.02	Dekfast DF-#12-PH3	IB DF12 Standard Fastener
			Dekfast DF-#14-PH3	IB DF14 Roofing Fastener
			Dekfast DF-#15-PH3	IB DF15 Roofing Fastener
			Dekfast PLT-R-3	IB 3” Round Metal Insulation Plate
Roofing Insulation	Atlas Roofing	NOA 24-0215.03	ACFoam II	IB EnergyBoard II
			ACFoam III	IB EnergyBoard III
	Hunter Panels	NOA 24-1021.04	H-Shield	IB Energy Board-H
			H-Shield CG	IB Energy Board CG-H
			H-Shield HD	IB HD ISO-H
	Johns Manville	NOA 24-0610.04	ENRGY 3	IB EnergyBoard II-J
	Georgia-Pacific Gypsum, LLC	NOA 22-1223.04	DensDeck Prime	DensDeck StormX Prime Roof Board
Accessories	VaproShield, LLC	FL46829	BlockShield SA Plus	IBarrier VP
			SlopeShield Plus SA	IBarrier XP

19 “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. **(Notes 9 and 10)**

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			Top Insulation		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
W-1.	Min. 19/32-inch, APA rated CDX plywood; 2-ft span; 8d ring shank nails, 6" o.c	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG or min. 2-inch ENRGY 3	OMG XHD with OMG 3 in. Galvalume Steel Plates or Dekfast DF-#15-PH3 with Dekfast PLT-R-3	1 per 1.3 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board Roof Board	Polyset CRA, M-OSFA, M-PG1, M-PG1-EF-ECO, OB500 or TF-RA, 6-inch o.c.	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-75.0
W-2.	Min. 19/32-inch, APA rated CDX plywood; 2 ft span	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG or min. 2-inch ENRGY 3	Dekfast DF-#15-PH3 with Dekfast PLT-R-3 or OMG XHD with OMG 3 in. Galvalume Steel Plate	1 per 1.3 ft²	0.5-inch ACFoam HD CoverBoard	M-OSFA, M-PG1, M-PG1-EF-ECO, OB500 or TF-RA, 6-inch o.c.	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-75.0
W-3.	Min. 19/32-inch, APA rated CDX plywood; 2 ft span	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG or min. 2-inch ENRGY 3	Dekfast DF-#15-PH3 with Dekfast PLT-R-3 or OMG XHD with OMG 3 in. Galvalume Steel Plate	1 per 1.3 ft²	0.5-inch H-Shield HD	M-OSFA, M-PG1, M-PG1-EF-ECO, OB500 or TF-RA, 6-inch o.c.	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-75.0
W-4.	Min. 19/32-inch, APA rated CDX plywood; 2-ft span; 8d ring shank nails, 6" o.c	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG or min. 2-inch ENRGY 3	OMG XHD with OMG 3 in. Galvalume Steel Plates or Dekfast DF-#15-PH3 with Dekfast PLT-R-3	1 per 1.3 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX, 6-inch o.c.	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-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 (Note 3, Note 13)	Top Insulation			Roof Cover (Note 15)	MDP (psf)
			Type	Fasteners (Note 11)	Attach (Note 17)		
W-5.	Min. 19/32-inch, APA rated CDX plywood; 2-ft span; 8d ring shank nails, 6" o.c	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Insulfoam HD Composite or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#15-PH3 with Dekfast PLT-R-3 or OMG XHD with OMG 3 in. Galvalume Steel Plates	1 per 1.3 ft²	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-75.0
W-6.	Min. 19/32-inch, APA rated CDX plywood; 2-ft span; 8d ring shank nails, 6" o.c	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ENRGY 3	Dekfast DF-#15-PH3 with Dekfast PLT-R-3 or OMG XHD with OMG 3 in. Galvalume Steel Plates	1 per 1.3 ft²	✓ BB-VB or BB-WBA ✓ FB-VB or FB-WBA or FB-PG1-EF-ECO	-75.0
W-7.	Min. 19/32-inch, APA rated CDX plywood; 2-ft span; 8d ring shank nails, 6" o.c	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	OMG XHD with OMG 3 in. Galvalume Steel Plate or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 1.3 ft²	✓ BB-VB-432	-75.0

TABLE 1C: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER						
System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fasteners (Note 11)	Density		
W-8.	Min. 19/32-inch plywood (new) or min. 15/32-inch plywood (reroof / recover); 2-ft span; 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 or IB PVC Single Ply Chemguard induction welded with SFS *isoweld*® 3000 tool.	-67.5
W-9.	Min. 19/32-inch plywood (new) or min. 15/32-inch plywood (reroof / recover); 2-ft span; 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 or IB PVC Single Ply Chemguard induction welded 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)	Fire Barrier	Insulation (Note 3, Note 13)		Roof Cover (Note 15A)			MDP (psf)
			Type	Attach (Note 5)	Membrane	Fasteners (Note 11)	Attach	
W-10.	Min. 19/32-inch plywood or nominal 1-inch wood plank; 2-ft span; 8d ring shank nails, 6" o.c.	(Optional) FBC HVHZ Approved fire barrier to obtain fire classification	One or more layers, any combination	Prelim. attach	IB PVC Single Ply ChemGuard	OMG XHD with OMG 2-3/8 XHD Barbed Stress Plates or Trufast #15 EHD with Trufast 2.4" Barbed Metal Seam Plates (14 Barb)	In-Seam: 6-inch x 67-inch	-60.0
W-11.	Min. 19/32-inch plywood or nominal 1-inch wood plank; 2-ft span; 8d ring shank nails, 6" o.c.	(Optional) FBC HVHZ Approved fire 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 Trufast #15 EHD with Trufast 2.4" Barbed Metal Seam Plates	In-Seam: 6-inch x 67-inch	-67.5
W-12.	Min. 19/32-inch plywood or nominal 1-inch wood plank; 2-ft span; 2½" x #9 wood screws, 6" o.c.	(Optional) FBC HVHZ Approved fire 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 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)	Fire Barrier	Roof Cover (Note 15A)			MDP (psf)
			Membrane	Fasteners (Note 11)	Attachment	
W-13.	Min. 19/32-inch plywood; 2-ft span; 8d ring shank nails, 6" o.c.	(Optional) FBC HVHZ Approved fire barrier to obtain fire classification	IB PVC Single Ply ChemGuard	OMG XHD with OMG 2-3/8 XHD Barbed Stress Plates or Trufast #15 EHD with Trufast 2.4" Barbed Metal Seam Plates (14 Barb)	In-Seam: 6-inch x 67-inch	-60.0
W-14.	Min. 19/32-inch plywood; 2-ft span; 8d ring shank nails, 6" o.c.	(Optional) FBC HVHZ Approved fire barrier to obtain fire classification	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 Trufast #15 EHD with Trufast 2.4" Barbed Metal Seam Plates	In-Seam: 6-inch x 67-inch	-67.5
W-15.	Min. 19/32-inch plywood; 2-ft span; 2½" x #9 wood screws, 6" o.c.	(Optional) FBC HVHZ Approved fire barrier to obtain fire classification	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 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 OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
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)		
S-1.	Min. 22 ga., type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, EnergyGuard Polyiso Insulation, H-Shield	M-OSFA or M-PG1	(Optional) Additional layer(s) base insulation	M-OSFA or M-PG1	✓ BB-VB, BB-VB-432, BB-WBA, BB-WBA-636 or BB-SPRAY-PVC ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-PG1-EF-ECO or FB-SPRAY-PVC	-52.5
S-2.	Min. 22 ga., type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, EnergyGuard Polyiso Insulation, H-Shield	M-OSFA or M-PG1	Additional optional layer(s) base insulation followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated-Glass Mat Roof Board	M-OSFA or M-PG1	✓ BB-VB, BB-VB-432, BB-WBA, BB-WBA-636 or BB-SPRAY-PVC ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-PG1-EF-ECO or FB-SPRAY-PVC	-52.5
S-3.	Min. 22 ga., type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, EnergyGuard Polyiso Insulation, H-Shield	M-OSFA or M-PG1	Additional optional layer(s) base insulation followed by 0.5-inch ACFoam HD CoverBoard	M-OSFA or M-PG1	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-52.5
S-4.	Min. 22 ga., type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, EnergyGuard Polyiso Insulation, H-Shield	M-OSFA or M-PG1	Additional optional layer(s) base insulation followed by 0.5-inch H-Shield HD	M-OSFA or M-PG1	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-52.5

TABLE 2B: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-2: BONDED VAPOR OR AIR BARRIER, BONDED INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Vapor or Air Barrier	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
S-5.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	BlockShield SA Plus, self-adhering to top deck flanges	Min. 2-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c., ribbons positioned atop deck flanges	Additional optional layer(s), min. 1-inch base insulation, followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board	M-OSFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c.	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-75.0*
S-6.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	BlockShield SA Plus, self-adhering to top deck flanges	Min. 2-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c., ribbons positioned atop deck flanges	Additional optional layer(s), min. 1-inch base insulation, followed by 0.5-inch ACFoam HD CoverBoard	M-OSFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c.	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-75.0*
S-7.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	BlockShield SA Plus, self-adhering to top deck flanges	Min. 2-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c., ribbons positioned atop deck flanges	Additional optional layer(s), min. 1-inch base insulation, followed by 0.5-inch H-Shield HD	M-OSFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c.	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-75.0*
S-8.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	BlockShield SA Plus, self-adhering to top deck flanges	One or more layer(s), Min. 2-inch ACFoam II, ACFoam III, ENRGY 3 or H-Shield	M-OSFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c., ribbons positioned atop deck flanges	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c.	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-90.0*

TABLE 2C: 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			Top Insulation		Roof Cover (Note 15)		MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
S-9.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	Min. 1.5-inch ACFoam II or H-Shield	Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 2.0 ft²	Additional layer(s) base insulation	TF-RA or TF-RAT	None	✓ BB-VB, BB-VB-432, BB-WBA, BB-WBA-636 or BB-SPRAY-PVC ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-PG1-EF-ECO or FB-SPRAY-PVC	-52.5
S-10.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	Min. 1.5-inch ACFoam II or H-Shield	Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 2.0 ft²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	TF-RA or TF-RAT	None	✓ BB-VB, BB-VB-432, BB-WBA, BB-WBA-636 or BB-SPRAY-PVC ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-PG1-EF-ECO or FB-SPRAY-PVC	-52.5
S-11.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	Min. 1.5-inch ACFoam II or H-Shield	Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 2.0 ft²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	TF-RA or TF-RAT	SBS-TA1 or SBS-TA2	✓ FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-52.5
S-12.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	Min. 2-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Note 2	1 per 1.6 ft²	Min. 0.25-inch DensDeck Prime	Polyset CRA or OB500, 6-inch o.c.	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-60.0
S-13.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	Min. 2-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Note 2	1 per 1.6 ft²	0.5-inch ACFoam HD CoverBoard	OB500, 6-inch o.c.	None	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-60.0
S-14.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	Min. 2-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Note 2	1 per 1.6 ft²	0.5-inch H-Shield HD	OB500, 6-inch o.c.	None	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-60.0

TABLE 2C: 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			Top Insulation		Roof Cover (Note 15)		MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
S-15.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	Min. 2-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Note 2	1 per 1.6 ft²	Min. 0.25-inch DensDeck Prime	Polyset CRA or OB500, 6-inch o.c.	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-60.0
S-16.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	Min. 2-inch ACFoam II	Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 1.3 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	TF-RA or TF-RAT	None	✓ BB-VB, BB-VB-432, BB-WBA, BB-WBA-636 or BB-SPRAY-PVC ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-PG1-EF-ECO or FB-SPRAY-PVC	-60.0
S-17.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	Min. 2-inch ACFoam II	Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 1.3 ft²	0.5-inch ACFoam HD CoverBoard	TF-RA or TF-RAT	None	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-60.0
S-18.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	Min. 2-inch ACFoam II	Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 1.3 ft²	0.5-inch H-Shield HD	TF-RA or TF-RAT	None	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-60.0
S-19.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	Min. 2-inch ACFoam II	Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 1.3 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	TF-RA or TF-RAT	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-60.0
S-20.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Teks 5 with ¾" washers, 6" o.c.	Min. 1.5-inch ACFoam II or H-Shield	Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 1.3 ft²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	TF-RA or TF-RAT, 6-inch o.c.	None	✓ BB-VB, BB-VB-432, BB-WBA, BB-WBA-636 or BB-SPRAY-PVC ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-PG1-EF-ECO or FB-SPRAY-PVC	-67.5
S-21.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Teks 5 with ¾" washers, 6" o.c.	Min. 1.5-inch ACFoam II or H-Shield	Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 1.3 ft²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	TF-RA or TF-RAT, 6-inch o.c.	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-67.5

TABLE 2C: 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			Top Insulation		Roof Cover (Note 15)		MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
S-22.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	Min. 2-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Note 2	1 per 1.6 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA, 6-inch o.c.	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-75.0
S-23.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	Min. 2-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Note 2	1 per 1.6 ft²	0.5-inch ACFoam HD CoverBoard	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA, 6-inch o.c.	None	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-75.0
S-24.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	Min. 2-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Note 2	1 per 1.6 ft²	0.5-inch H-Shield HD	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA, 6-inch o.c.	None	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-75.0
S-25.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	Min. 2-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Note 2	1 per 1.6 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA, 6-inch o.c.	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-75.0
S-26.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	Min. 2-inch ACFoam II, ACFoam III, ENRGY 3, 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	Polyset CRA or OB500, 6-inch o.c.	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-75.0
S-27.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	Min. 2-inch ACFoam II, ACFoam III, ENRGY 3, 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	Polyset CRA or OB500, 6-inch o.c.	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-75.0

TABLE 2C: 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			Top Insulation		Roof Cover (Note 15)		MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
S-28.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5 with ¾" washers, 6" o.c.	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	OMG #14 Heavy Duty or OMG XHD with OMG 3 in. Galvalume Steel Plates or Dekfast DF-#15-PH3 with Dekfast PLT-R-3	1 per 1.3 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX, 6-inch o.c.	None	FB-PG1-EF-ECO	-90.0
S-29.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5 with ¾" washers, 6" o.c.	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	OMG #14 Heavy Duty or OMG XHD with OMG 3 in. Galvalume Steel Plates or Dekfast DF-#15-PH3 with Dekfast PLT-R-3	1 per 1.3 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA, M-OSFA, M-PG1, OB500, 6-inch o.c.	None	✓ BB-VB or BB-WBA ✓ FB-VB, FB-WBA, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-97.5
S-30.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5 with ¾" washers, 6" o.c.	Min. 2-inch ENRGY 3	OMG #14 Heavy Duty or OMG XHD with OMG 3 in. Galvalume Steel Plates or Dekfast DF-#15-PH3 with Dekfast PLT-R-3	1 per 1.3 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-OSFA, M-PG1, OB500, 6-inch o.c.	None	✓ BB-VB or BB-WBA ✓ FB-VB, FB-WBA, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-97.5
S-31.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5 with ¾" washers, 6" o.c.	Min. 2-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Dekfast DF-#15-PH3 with Dekfast PLT-R-3 or OMG Heavy Duty or OMG XHD with OMG 3 in. Galvalume Steel Plate	1 per 1.3 ft²	0.5-inch ACFoam HD CoverBoard	M-OSFA, M-PG1 or OB500, 6-inch o.c.	None	✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-97.5
S-32.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5 with ¾" washers, 6" o.c.	Min. 2-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Dekfast DF-#15-PH3 with Dekfast PLT-R-3 or OMG Heavy Duty or OMG XHD with OMG 3 in. Galvalume Steel Plate	1 per 1.3 ft²	0.5-inch H-Shield HD	M-OSFA, M-PG1 or OB500, 6-inch o.c.	None	✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-97.5
S-33.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5 with ¾" washers, 6" o.c.	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	OMG #14 Heavy Duty or OMG XHD with OMG 3 in. Galvalume Steel Plates or Dekfast DF-#15-PH3 with Dekfast PLT-R-3	1 per 1.3 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA, M-OSFA, M-PG1, OB500, 6-inch o.c.	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-97.5

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TABLE 2C: 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			Top Insulation		Roof Cover (Note 15)		MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
S-34.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5 with ¾" washers, 6" o.c.	Min. 2-inch ENRGY 3	OMG #14 Heavy Duty or OMG XHD with OMG 3 in. Galvalume Steel Plates or Dekfast DF-#15-PH3 with Dekfast PLT-R-3	1 per 1.3 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-OSFA, M-PG1, OB500, 6-inch o.c.	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-97.5
S-35.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Teks 5 with ¾" washers, 6" o.c.	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 1.0 ft²	Additional layer(s) base insulation	TF-RA or TF-RAT, 6-inch o.c.	None	✓ BB-VB-432 ✓ FB-VB-432, FB-PG1-EF-ECO or FB-SPRAY-PVC	-97.5
S-36.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Teks 5 with ¾" washers, 6" o.c.	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 1.0 ft²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	TF-RA or TF-RAT, 6-inch o.c.	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-97.5
S-37.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5 with ¾" washers, 6" o.c.	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	OMG #14 Heavy Duty or OMG XHD with OMG 3 in. Galvalume Steel Plates or Dekfast DF-#15-PH3 with Dekfast PLT-R-3	1 per 1.3 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX, 6-inch o.c.	None	✓ BB-VB or BB-WBA ✓ FB-VB, FB-WBA or FB-CRA	-97.5
S-38.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5 with ¾" washers, 6" o.c.	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	OMG #14 Heavy Duty or OMG XHD with OMG 3 in. Galvalume Steel Plates or Dekfast DF-#15-PH3 with Dekfast PLT-R-3	1 per 1.3 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX, 6-inch o.c.	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-97.5
S-39.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5 with ¾" washers, 6" o.c.	Min. 2-inch ACFoam II, ACFoam III or H-Shield	OMG #14 Heavy Duty or OMG XHD with OMG 3 in. Galvalume Steel Plates or DF-#14-PH3 or Dekfast DF-#15-PH3 with Dekfast PLT-R-3	1 per 1.0 ft²	Additional optional layer(s) min. 1-inch base insulation followed by Min. 0.25-inch DensDeck Prime	Polyset BOARD-MAX	None	✓ BB-VB or BB-WBA ✓ FB-VB, FB-WBA or FB-CRA	-105.0
S-40.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Teks 5 with ¾" washers, 6" o.c.	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 1.0 ft²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	TF-RA or TF-RAT, 6-inch o.c.	None	✓ BB-VB, BB-VB-432, BB-WBA, BB-WBA-636 or BB-SPRAY-PVC ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-PG1-EF-ECO or FB-SPRAY-PVC	-105.0

TABLE 2D: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, BONDED TOP INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Thermal Barrier			Primer	Vapor or Air Barrier (Note 15)	Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)			Type	Attach (Notes 6,7,8)		
S-41.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span; #12 HWH Teks 5, 6" o.c.	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#15-PH3 with Dekfast PLT-R-3, OMG XHD with OMG 3 in. Galvalume Steel Plate or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 2.0 ft²	IBarrier Primer or IBarrier Primer LV	IBarrier, self-adhered	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-45.0
S-42.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span; #12 HWH Teks 5, 6" o.c.	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#15-PH3 with Dekfast PLT-R-3, OMG XHD with OMG 3 in. Galvalume Steel Plate or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 2.0 ft²	IBarrier Primer or IBarrier Primer LV	IBarrier, self-adhered	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG followed by 0.5-inch ACFoam HD CoverBoard	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-45.0
S-43.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span; #12 HWH Teks 5, 6" o.c.	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#15-PH3 with Dekfast PLT-R-3, OMG XHD with OMG 3 in. Galvalume Steel Plate or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 2.0 ft²	IBarrier Primer or IBarrier Primer LV	IBarrier, self-adhered	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG followed by 0.5-inch H-Shield HD	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-45.0
S-44.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span; #12 HWH Teks 5, 6" o.c.	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#15-PH3 with Dekfast PLT-R-3, OMG XHD with OMG 3 in. Galvalume Steel Plate or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 2.0 ft²	(Optional, use only if Vapor or Air Barrier installed) ASTM D41	(Optional) SBS-TA1, SBS-TA2 or SBS-TA3	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-45.0
S-45.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span; #12 HWH Teks 5, 6" o.c.	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#15-PH3 with Dekfast PLT-R-3, OMG XHD with OMG 3 in. Galvalume Steel Plate or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 2.0 ft²	(Optional, use only if Vapor or Air Barrier installed) ASTM D41	(Optional) SBS-TA1, SBS-TA2 or SBS-TA3	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG followed by 0.5-inch ACFoam HD CoverBoard	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-45.0
S-46.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span; #12 HWH Teks 5, 6" o.c.	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#15-PH3 with Dekfast PLT-R-3, OMG XHD with OMG 3 in. Galvalume Steel Plate or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 2.0 ft²	(Optional, use only if Vapor or Air Barrier installed) ASTM D41	(Optional) SBS-TA1, SBS-TA2 or SBS-TA3	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG followed by 0.5-inch H-Shield HD	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-45.0

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

System No.	Deck (Note 1)	Thermal Barrier			Primer	Vapor or Air Barrier (Note 15)	Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)			Type	Attach (Notes 6,7,8)		
S-47.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span; #12 HWH Teks 5, 6" o.c.	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#15-PH3 with Dekfast PLT-R-3, OMG XHD with OMG 3 in. Galvalume Steel Plate or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 1.6 ft²	IBarrier Primer or IBarrier Primer LV	IBarrier, self-adhered	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-67.5
S-48.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span; #12 HWH Teks 5, 6" o.c.	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#15-PH3 with Dekfast PLT-R-3, OMG XHD with OMG 3 in. Galvalume Steel Plate or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 1.6 ft²	IBarrier Primer or IBarrier Primer LV	IBarrier, self-adhered	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG followed by 0.5-inch ACFoam HD CoverBoard	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-67.5
S-49.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span; #12 HWH Teks 5, 6" o.c.	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#15-PH3 with Dekfast PLT-R-3, OMG XHD with OMG 3 in. Galvalume Steel Plate or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 1.6 ft²	IBarrier Primer or IBarrier Primer LV	IBarrier, self-adhered	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG followed by 0.5-inch H-Shield HD	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-67.5
S-50.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span; #12 HWH Teks 5, 6" o.c.	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#15-PH3 with Dekfast PLT-R-3, OMG XHD with OMG 3 in. Galvalume Steel Plate or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 1.6 ft²	(Optional, use only if Vapor or Air Barrier installed) ASTM D41	(Optional) SBS-TA1, SBS-TA2 or SBS-TA3	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-67.5
S-51.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span; #12 HWH Teks 5, 6" o.c.	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#15-PH3 with Dekfast PLT-R-3, OMG XHD with OMG 3 in. Galvalume Steel Plate or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 1.6 ft²	(Optional, use only if Vapor or Air Barrier installed) ASTM D41	(Optional) SBS-TA1, SBS-TA2 or SBS-TA3	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG followed by 0.5-inch ACFoam HD CoverBoard	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-67.5
S-52.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span; #12 HWH Teks 5, 6" o.c.	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#15-PH3 with Dekfast PLT-R-3, OMG XHD with OMG 3 in. Galvalume Steel Plate or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 1.6 ft²	(Optional, use only if Vapor or Air Barrier installed) ASTM D41	(Optional) SBS-TA1, SBS-TA2 or SBS-TA3	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG followed by 0.5-inch H-Shield HD	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-67.5

TABLE 2D: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, BONDED TOP INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Thermal Barrier			Primer	Vapor or Air Barrier (Note 15)	Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)			Type	Attach (Notes 6,7,8)		
S-53.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span; #12 HWH Teks 5, 6" o.c.	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#15-PH3 with Dekfast PLT-R-3, OMG XHD with OMG 3 in. Galvalume Steel Plate or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 1.0 ft²	IBarrier Primer or IBarrier Primer LV	IBarrier, self-adhered	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA, 6-inch o.c.	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-75.0
S-54.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span; #12 HWH Teks 5, 6" o.c.	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#15-PH3 with Dekfast PLT-R-3, OMG XHD with OMG 3 in. Galvalume Steel Plate or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 1.0 ft²	IBarrier Primer or IBarrier Primer LV	IBarrier, self-adhered	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG followed by 0.5-inch ACFoam HD CoverBoard	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA, 6-inch o.c.	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-75.0
S-55.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span; #12 HWH Teks 5, 6" o.c.	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#15-PH3 with Dekfast PLT-R-3, OMG XHD with OMG 3 in. Galvalume Steel Plate or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 1.0 ft²	IBarrier Primer or IBarrier Primer LV	IBarrier, self-adhered	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG followed by 0.5-inch H-Shield HD	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA, 6-inch o.c.	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-75.0
S-56.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span; #12 HWH Teks 5, 6" o.c.	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#15-PH3 with Dekfast PLT-R-3, OMG XHD with OMG 3 in. Galvalume Steel Plate or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 1.0 ft²	(Optional, use only if Vapor or Air Barrier installed) ASTM D41	(Optional) SBS-TA1, SBS-TA2 or SBS-TA3	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA, 6-inch o.c.	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-75.0
S-57.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span; #12 HWH Teks 5, 6" o.c.	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#15-PH3 with Dekfast PLT-R-3, OMG XHD with OMG 3 in. Galvalume Steel Plate or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 1.0 ft²	(Optional, use only if Vapor or Air Barrier installed) ASTM D41	(Optional) SBS-TA1, SBS-TA2 or SBS-TA3	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG followed by 0.5-inch ACFoam HD CoverBoard	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA, 6-inch o.c.	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-75.0
S-58.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span; #12 HWH Teks 5, 6" o.c.	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#15-PH3 with Dekfast PLT-R-3, OMG XHD with OMG 3 in. Galvalume Steel Plate or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 1.0 ft²	(Optional, use only if Vapor or Air Barrier installed) ASTM D41	(Optional) SBS-TA1, SBS-TA2 or SBS-TA3	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG followed by 0.5-inch H-Shield HD	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA, 6-inch o.c.	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-75.0

TABLE 2D: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR OR AIR BARRIER, BONDED TOP INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Thermal Barrier			Primer	Vapor or Air Barrier (Note 15)	Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)			Type	Attach (Notes 6,7,8)		
S-59.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span; #12 HWH Teks 5, 6" o.c.	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#15-PH3 with Dekfast PLT-R-3, OMG XHD with OMG 3 in. Galvalume Steel Plate or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 1.0 ft^2	None	BlockShield SA Plus or SlopeShield Plus SA, self-adhering	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board	M-OSFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c.	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-75.0
S-60.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span; #12 HWH Teks 5, 6" o.c.	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#15-PH3 with Dekfast PLT-R-3, OMG XHD with OMG 3 in. Galvalume Steel Plate or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 1.0 ft^2	None	BlockShield SA Plus or SlopeShield Plus SA, self-adhering	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG followed by 0.5-inch ACFoam HD CoverBoard	M-OSFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c.	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-75.0
S-61.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span; #12 HWH Teks 5, 6" o.c.	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#15-PH3 with Dekfast PLT-R-3, OMG XHD with OMG 3 in. Galvalume Steel Plate or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 1.0 ft^2	None	BlockShield SA Plus or SlopeShield Plus SA, self-adhering	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG followed by 0.5-inch H-Shield HD	M-OSFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c.	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-75.0
S-62.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span; #12 HWH Teks 5 with ¾" washers, 6" o.c.	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#15-PH3 with Dekfast PLT-R-3, OMG XHD with OMG 3 in. Galvalume Steel Plate or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	1 per 1.0 ft^2	None	BlockShield SA Plus, self-adhering	One or more layer(s), Min. 2-inch ACFoam II, ACFoam III, ENRGY 3 or H-Shield followed by min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA, M-PG1 or M-PG1-EF-ECO, 6-inch o.c.	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-112.5

TABLE 2E: 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 (Note 3, Note 13)	Top Insulation			Roof Cover (Note 15)		MDP (psf)
			Type	Fasteners (Note 11)	Attach (Note 17)	Base Ply	Cap Ply	
S-63.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch, loose laid	Min. 0.25-inch DensDeck Prime	Note 2	1 per 1.8 ft²	None	✓ BB-VB, BB-VB-432, BB-WBA, BB-WBA-636 or BB-SPRAY-PVC ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-PG1-EF-ECO or FB-SPRAY-PVC	-52.5
S-64.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board	Note 2	1 per 1.3 ft²	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-SPRAY-PVC ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-PG1-EF-ECO or FB-SPRAY-PVC	-52.5
S-65.	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	Note 2	1 per 2.0 ft²	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-52.5
S-66.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.0 ft²	None	✓ BB-VB, BB-VB-432, BB-WBA, BB-WBA-636 or BB-SPRAY-PVC ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-PG1-EF-ECO or FB-SPRAY-PVC	-60.0
S-67.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch, loose laid	Min. 0.25-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	Note 2	1 per 1.0 ft²	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-SPRAY-PVC ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-PG1-EF-ECO or FB-SPRAY-PVC	-60.0
S-68.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch, loose laid	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#12-PH3, Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with Dekfast PLT-R-3 or OMG #12 Roofgrip, OMG #14 Heavy Duty or OMG XHD with OMG 3 in. Ribbed Galvalume Plate (Flat)	1 per 2.0 ft²	None	✓ BB-VB, BB-VB-432, BB-WBA, BB-WBA-636 or BB-SPRAY-PVC ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-PG1-EF-ECO or FB-SPRAY-PVC	-60.0
S-69.	Min. 22 ga., Type B, Grade 80 steel; 6 ft span, #12 HWH Teks 5 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	Dekfast DF-#15-PH3 with Dekfast PLT-R-3 or OMG XHD with OMG 3 in. Galvalume Steel Plate	1 per 2.0 ft²	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-60.0
S-70.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch, loose laid	Min. 0.5-inch DensDeck Prime	Note 2	1 per 1.8 ft²	None	✓ BB-VB, BB-VB-432, BB-WBA, BB-WBA-636 or BB-SPRAY-PVC ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-PG1-EF-ECO or FB-SPRAY-PVC	-67.5

TABLE 2E: 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 (Note 3, Note 13)	Top Insulation			Roof Cover (Note 15)		MDP (psf)
			Type	Fasteners (Note 11)	Attach (Note 17)	Base Ply	Cap Ply	
S-71.	Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, min. 2-inch, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with Dekfast PLT-R-3 or OMG #14 Heavy Duty or OMG XHD with OMG 3 in. Galvalume Steel Plates	1 per 1.8 ft²	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-67.5
S-72.	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	Note 2	1 per 1.6 ft²	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-67.5
S-73.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span, two (2) #12 HWH Teks 5, 6" o.c.	(Optional when using 1.5-inch top insulation) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Insulfoam HD Composite or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Dekfast DF-#15-PH3 with Dekfast PLT-R-3 or OMG Heavy Duty or OMG XHD with OMG 3 in. Galvalume Steel Plate	1 per 1.3 ft²	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA or FB-PG1-EF-ECO	-75.0
S-74.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span, two (2) #12 HWH Teks 5, 6" o.c.	(Optional when using 1.5-inch top insulation) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG or min. 0.25-inch DensDeck Prime	Dekfast DF-#15-PH3 with Dekfast PLT-R-3 or OMG Heavy Duty or OMG XHD with OMG 3 in. Galvalume Steel Plate	1 per 1.3 ft²	None	FB-PG1-LPS	-75.0
S-75.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span, two (2) #12 HWH Teks 5, 6" o.c.	(Optional when using 2-inch top insulation) One or more layers, any combination, loose laid	Min. 2-inch ENRGY 3	Dekfast DF-#15-PH3 with Dekfast PLT-R-3 or OMG Heavy Duty or OMG XHD with OMG 3 in. Galvalume Steel Plate	1 per 1.3 ft²	None	✓ BB-VB or BB-WBA ✓ FB-VB, FB-WBA or FB-PG1-EF-ECO	-75.0
S-76.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span, two (2) #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	OMG Heavy Duty or OMG XHD with OMG 3 in. Galvalume Steel Plate or Trufast #14 HD or #15 EHD with Trufast 3" Metal Insulation Plate	1 per 1.3 ft²	None	BB-VB-432	-75.0
S-77.	Min. 22 ga., Type B, Grade 80 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch, loose laid	Min. 0.5-inch DensDeck Prime	Note 2	1 per 1.6 ft²	None	✓ BB-VB, BB-VB-432, BB-WBA, BB-WBA-636 or BB-SPRAY-PVC ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-PG1-EF-ECO or FB-SPRAY-PVC	-75.0
S-78.	Min. 22 ga., Type B, Grade 40 steel; 6 ft span, two (2) #12 HWH Teks 5, 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	Dekfast DF-#15-PH3 with Dekfast PLT-R-3 or OMG Heavy Duty or OMG XHD with OMG 3 in. Galvalume Steel Plate	1 per 1.3 ft²	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-75.0

TABLE 2E: 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 (Note 3, Note 13)	Top Insulation			Roof Cover (Note 15)		MDP (psf)
			Type	Fasteners (Note 11)	Attach (Note 17)	Base Ply	Cap Ply	
S-79.	Min. 22 ga., Type B, Grade 80 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, loose laid	Min. 0.625-inch DensDeck Prime	OMG #12 Roofgrip, OMG #14 Heavy Duty or OMG XHD with OMG 3 in. Galvalume Steel Plate	1 per 1.3 ft²	None	✓ BB-VB, BB-VB-432, BB-WBA, BB-WBA-636 or BB-SPRAY-PVC ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-PG1-EF-ECO or FB-SPRAY-PVC	-90.0
S-80.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5 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	Note 2	1 per 1.0 ft²	None	✓ BB-VB, BB-VB-432, BB-WBA, BB-WBA-636 or BB-SPRAY-PVC ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-PG1-EF-ECO or FB-SPRAY-PVC	-112.5
S-81.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5 with ¾" washers, 6" o.c.	One or more layers, any combination, min. 1.5-inch, loose laid	Min. 0.5-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	Note 2	1 per 1.0 ft²	None	✓ BB-VB, BB-VB-432, BB-WBA, BB-WBA-636 or BB-SPRAY-PVC ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-PG1-EF-ECO or FB-SPRAY-PVC	-112.5
S-82.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch, loose laid	Min. 0.5-inch DensDeck Prime	Note 2	1 per 1.0 ft²	None	✓ BB-VB, BB-VB-432, BB-WBA, BB-WBA-636 or BB-SPRAY-PVC ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-PG1-EF-ECO or FB-SPRAY-PVC	-127.5
S-83.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5 with ¾" washers, 6" o.c.	One or more layers, any combination, min. 2-inch, loose laid	Min. 0.5-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	OMG #12 Roofgrip, OMG #14 Heavy Duty or OMG XHD with OMG 3 in. Galvalume Steel Plate	1 per 1.0 ft²	None	✓ BB-VB, BB-VB-432, BB-WBA, BB-WBA-636 or BB-SPRAY-PVC ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-PG1-EF-ECO or FB-SPRAY-PVC	-127.5
S-84.	Min. 22 ga., Type B, Grade 80 steel; 6 ft span, #12 HWH Teks 5 with ¾" washers, 6" o.c.	One or more layers, any combination, min. 1.5-inch, loose laid	Min. 0.5-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	OMG #12 Roofgrip, OMG #14 Heavy Duty or OMG XHD with OMG 3 in. Galvalume Steel Plate	1 per 1.0 ft²	None	✓ BB-VB, BB-VB-432, BB-WBA, BB-WBA-636 or BB-SPRAY-PVC ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-PG1-EF-ECO or FB-SPRAY-PVC	-142.5*
S-85.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Teks 5 with ¾" washers, 6" o.c.	One or more layers, any combination, min. 2-inch, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.0 ft²	SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-150.0
S-86.	Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Teks 5 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)	SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-157.5

TABLE 2F: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER							
System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)	Attachment			Roof Cover (Note 15B)	MDP (psf)
			Fasteners (Note 11)	Row Spacing (inch)	Fastener Spacing (inch)		
SFS ISOWELD INDUCTION WELD SYSTEMS:							
S-87.	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)	36	24 (staggered)	IB PVC or IB PVC Single Ply Chemguard (min. 60-mil) induction welded with SFS *isoweld®* 3000 tool.	-52.5
S-88.	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)	24	24 (staggered)	IB PVC or IB PVC Single Ply or IB PVC Single Ply Chemguard induction welded with SFS *isoweld®* 3000 tool.	-52.5
S-89.	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)	24	24 (staggered)	IB PVC or IB PVC Single Ply or IB PVC Single Ply Chemguard induction welded with SFS *isoweld®* 3000 tool.	-52.5
S-90.	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)	24	18 (staggered)	IB PVC or IB PVC Single Ply or IB PVC Single Ply Chemguard induction welded with SFS *isoweld®* 3000 tool.	-82.5
S-91.	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)	24	18 (staggered)	IB PVC or IB PVC Single Ply or IB PVC Single Ply Chemguard induction welded with SFS *isoweld®* 3000 tool.	-82.5
S-92.	Min. 22 ga., type B, Grade 40 steel; 6 ft span, #12 HWH Teks 5, 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)	60	6	IB PVC or IB PVC Single Ply or IB PVC Single Ply Chemguard induction welded with SFS *isoweld®* 3000 tool.	-90.0
S-93.	Min. 22 ga., type B, Grade 80 steel; 6 ft span, #12 HWH Teks 5, 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)	60	6	IB PVC or IB PVC Single Ply or IB PVC Single Ply Chemguard induction welded with SFS *isoweld®* 3000 tool.	-90.0
TRUFAST IW PVC PLATE INDUCTION WELD SYSTEMS:							
S-94.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch thick, prelim. attach	Trufast #15 EHD Fastener with Trufast IW PVC Plate	48	12	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-60.0
S-95.	Min. 20 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch thick, prelim. attach	Trufast #15 EHD Fastener with Trufast IW PVC Plate	72	6	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-60.0
S-96.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch thick, prelim. attach	Trufast #15 EHD Fastener with Trufast IW PVC Plate	60	6	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-60.0
S-97.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch thick *The roof insulation boards are placed with the 8 ft. board dimension oriented parallel to the steel deck ribs with adjacent boards offset along their 8 ft. dimension by 12 in., to stagger the fastener/plate fastening pattern*	Trufast #15 EHD Fastener with Trufast IW PVC Plate	1 per 4.0 ft² (8 parts per 4x8 ft board)		IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-60.0

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TABLE 2F: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER							
System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)	Attachment			Roof Cover (Note 15B)	MDP (psf)
			Fasteners (Note 11)	Row Spacing (inch)	Fastener Spacing (inch)		
S-98.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch thick	Trufast #15 EHD Fastener with Trufast IW PVC Plate	1 per 3.2 ft² (10 parts per 4x8 ft board)		IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-67.5
		The roof insulation boards are placed with the 8 ft. board dimension oriented parallel to the steel deck ribs with adjacent boards offset along their 4 ft. dimension by 12 in., to stagger the fastener/plate fastening pattern					
S-99.	Min. 18 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch thick, prelim. attach	Trufast #15 EHD Fastener with Trufast IW PVC Plate	72	6	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-75.0
S-100.	Min. 20 ga., Type B, Grade 33 steel; 4.5 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch thick, prelim. attach	Trufast #15 EHD Fastener with Trufast IW PVC Plate	72	6	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-75.0
S-101.	Min. 22 ga., Type B, Grade 80 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch thick, prelim. attach	Trufast #15 EHD Fastener with Trufast IW PVC Plate	72	6	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-75.0
S-102.	Min. 20 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch thick, prelim. attach	Trufast #15 EHD Fastener with Trufast IW PVC Plate	60	6	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-75.0
S-103.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch thick, prelim. attach	Trufast #15 EHD Fastener with Trufast IW PVC Plate	48	6	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-75.0
S-104.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch thick, prelim. attach	Trufast #15 EHD Fastener with Trufast IW PVC Plate	36	12	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-82.5
S-105.	Min. 22 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5 with ¾" washers, 6" o.c.	One or more layers, any combination, min. 1.5-inch thick	Trufast #15 EHD Fastener with Trufast IW PVC Plate	1 per 2.7 ft² (12 parts per 4x8 ft board)		IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-82.5
		The roof insulation boards are placed with the 8 ft. board dimension oriented perpendicular to the steel deck ribs with adjacent boards offset along their 4 ft. dimension by 12 in., to stagger the fastener/plate fastening pattern					
S-106.	Min. 18 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch thick, prelim. attach	Trufast #15 EHD Fastener with Trufast IW PVC Plate	60	6	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-90.0
S-107.	Min. 20 ga., Type B, Grade 33 steel; 5 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch thick, prelim. attach	Trufast #15 EHD Fastener with Trufast IW PVC Plate	60	6	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-90.0
S-108.	Min. 22 ga., Type B, Grade 80 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch thick, prelim. attach	Trufast #15 EHD Fastener with Trufast IW PVC Plate	60	6	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-90.0

TABLE 2F: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER							
System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)	Attachment			Roof Cover (Note 15B)	MDP (psf)
			Fasteners (Note 11)	Row Spacing (inch)	Fastener Spacing (inch)		
S-109.	Min. 20 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch thick, prelim. attach	Trufast #15 EHD Fastener with Trufast IW PVC Plate	48	6	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-90.0
S-110.	Min. 18 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch thick, prelim. attach	Trufast #15 EHD Fastener with Trufast IW PVC Plate	48	6	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-112.5
S-111.	Min. 20 ga., Type B, Grade 33 steel; 5 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch thick, prelim. attach	Trufast #15 EHD Fastener with Trufast IW PVC Plate	48	6	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-112.5
S-112.	Min. 22 ga., Type B, Grade 80 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch thick, prelim. attach	Trufast #15 EHD Fastener with Trufast IW PVC Plate	48	6	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-112.5
S-113.	Min. 22 ga., Type B, Grade 80 steel; 6 ft span, #12 HWH Teks 5 with ¾" washers, 6" o.c.	One or more layers, any combination, min. 1.5-inch thick	Trufast #15 EHD Fastener with Trufast IW PVC Plate	1 per 2.0 ft² (16 parts per 4x8 ft board)		IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-112.5
		The roof insulation boards are placed with the 8 ft. board dimension oriented perpendicular to the steel deck ribs with adjacent boards offset along their 4 ft. dimension by 12 in., to stagger the fastener/plate fastening pattern					
S-114.	Min. 22 ga., Type B, Grade 80 steel; 6 ft span, #12 HWH Teks 5 with ¾" washers, 6" o.c.	One or more layers, any combination, min. 1.5-inch thick	Trufast #15 EHD Fastener with Trufast IW PVC Plate	1 per 1.8 ft² (18 parts per 4x8 ft board)		IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-120.0
		The roof insulation boards are placed with the 8 ft. board dimension oriented parallel to the steel deck ribs with adjacent boards offset along their 4 ft. dimension by 6 in., to stagger the fastener/plate fastening pattern					
S-115.	Min. 22 ga., Type B, Grade 80 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination, min. 1.5-inch thick, prelim. attach	Trufast #15 EHD Fastener with Trufast IW PVC Plate	36	6	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-150.0
S-116.	Min. 22 ga., Type B, Grade 80 steel; 6 ft span, two (2) #12 HWH Teks 5 with ¾" washers, 6" o.c.	One or more layers, any combination, min. 1.5-inch thick	Trufast #15 EHD Fastener with Trufast IW PVC Plate	1 per 1.3 ft² (24 parts per 4x8 ft board)		IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-150.0
		The roof insulation boards are placed with the 8 ft. board dimension oriented parallel to the steel deck ribs with adjacent boards offset along their 4 ft. dimension by 6 in., to stagger the fastener/plate fastening pattern					

TABLE 2G: 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 3, Note 13)		**Roof Cover** (Note 15A)			**MDP (psf)**
		Type	**Attach** (Note 5)	**Membrane**	**Fasteners** (Note 11)	**Attach**	
S-117.	Min. 22 ga., Type B, Grade 80 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination	Prelim. attach	IB PVC Single Ply ChemGuard	OMG XHD with OMG 2-3/8 XHD Barbed Stress Plates, Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Trufast #15 EHD with Trufast 2.4" Barbed Metal Seam Plates (14 Barb)	In-Seam: 6-inch x 67-inch	-60.0
S-118.	Min. 22 ga., Type B, Grade 80 steel; 6 ft span, #12 HWH Teks 5, 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 Trufast #15 EHD with Trufast 2.4" Barbed Metal Seam Plates	In-Seam: 6-inch x 67-inch	-67.5
S-119.	Min. 22 ga., Type B, Grade 80 steel; 6 ft span, #12 HWH Teks 5, 6" o.c.	One or more layers, any combination	Prelim. attach	IB PVC Single Ply or IB PVC Single Ply ChemGuard	OMG XHD Fasteners through OMG Polymer Batten Strips	In-Field: 6-inch x 96-inch	-67.5
S-120.	Min. 22 ga., Type B, Grade 80 steel; 6 ft span, two (2) #12 HWH Teks 5 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 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 16A FOR VAPOR OR AIR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation		Top Insulation		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	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 DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	HA (back-mopped)	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-202.5
C-2.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II or Multi-Max FA3	HA	(Optional) Additional layers(s) of base insulation	HA	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-215.0
C-3.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II or Multi-Max FA3	HA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	HA	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-255.0
C-4.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II	HA	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	HA	None	✓ BB-VB, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-375.0
C-5.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II	HA	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	HA	SBS-TA1 or SBS-TA2	✓ FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-375.0
C-6.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II	HA	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	HA	None	✓ BB-VB-432	-495.0
INSULATION IN INSTA-STIK:								
C-7.	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	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-67.5
C-8.	Min. 2,500 psi structural concrete	Min. 1.5-inch Multi-Max FA3	Insta-Stik	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Insta-Stik	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-67.5
C-9.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II	Insta-Stik	(Optional) Additional layers(s) of base insulation	Insta-Stik	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-120.0
C-10.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II	Insta-Stik	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Insta-Stik	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-120.0

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

System No.	Deck (Note 1)	Base Insulation		Top Insulation		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
C-11.	Min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch Insulfoam IX	Insta-Stik	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Insta-Stik	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-120.0
INSULATION IN MILLENNIUM ONE STEP FOAMABLE ADHESIVE OR MILLENNIUM PG-1 PUMP GRADE ADHESIVE:								
C-12.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA, M-PG1	Min. 1.5-inch InsulFoam HD Composite	M-OSFA, M-PG1	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA or FB-PG-EF-ECO	-102.5
C-13.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA, M-PG1	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	M-OSFA, M-PG1	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-135.0
C-14.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	M-OSFA, M-PG1	(Optional) Additional layers(s) of base insulation	M-OSFA, M-PG1	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-215.0
C-15.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II or Multi-Max FA3	M-OSFA, M-PG1	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-OSFA, M-PG1	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-232.5
C-16.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II or Multi-Max FA3	M-OSFA, M-PG1	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-OSFA, M-PG1	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-232.5
C-17.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG or Styrofoam Brand Roofmate or min. 1.5-inch Styrofoam Brand Highload 60 or Plazamate	M-OSFA, M-PG1	Min. 0.25-inch DensDeck Prime	M-OSFA, M-PG1	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-257.5
C-18.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA, M-PG1	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	M-OSFA, M-PG1	None	✓ BB-VB-432	-257.5
C-19.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA, M-PG1	Min. 0.25-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	M-OSFA, M-PG1	None	✓ BB-VB-432 ✓ FB-PG1-EF-ECO	-257.5

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

System No.	Deck (Note 1)	Base Insulation		Top Insulation		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
C-20.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA, M-PG1	0.5-inch ACFoam HD CoverBoard	M-OSFA, M-PG1	None	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-257.5
C-21.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA, M-PG1	0.5-inch H-Shield HD	M-OSFA, M-PG1	None	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-257.5
C-22.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA, M-PG1	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	M-OSFA, M-PG1	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-257.5
C-23.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG or Styrofoam Brand Roofmate or min. 1.5-inch Styrofoam Brand Highload 60 or Plazamate	M-OSFA, M-PG1	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA, M-PG1	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-267.5
C-24.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA, M-PG1	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA, M-PG1	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-267.5
C-25.	Min. 2,500 psi structural concrete	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA, M-PG1	(Optional) Additional layer(s) of base insulation	M-OSFA, M-PG1	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-327.5
C-26.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	M-OSFA, M-PG1, 6-inch o.c.	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board	M-OSFA, M-PG1, 6-inch o.c.	None	✓ BB-VB-432 ✓ FB-PG1-EF-ECO	-405.0
C-27.	Min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	M-OSFA, M-PG1, 6-inch o.c.	None	N/A	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-490.0

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

System No.	Deck (Note 1)	Base Insulation		Top Insulation		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
C-28.	Min. 2,500 psi structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA, M-PG1, 6-inch o.c.	None	N/A	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-657.5
C-29.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II	M-OSFA, M-PG1, 4-inch o.c.	None	M-OSFA, M-PG1, 4-inch o.c.	None	FB-PG1-EF-ECO	-670.0
C-30.	Min. 2,500 psi structural concrete	Min. 1.5-inch H-Shield CG	M-OSFA, M-PG1, 4-inch o.c.	(Optional) Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA, M-PG1, 4-inch o.c.	None	BB-VB-432	-670.0
INSULATION IN MILLENNIUM PG-1 EF ECO ADHESIVE:								
C-31.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-PG1-EF-ECO	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	M-PG1-EF-ECO	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-135.0
C-32.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or H-Shield CG	M-PG1-EF-ECO	Insulation: Min. 1.5-inch thick Insulfoam IX Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-PG1-EF-ECO	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-187.5
C-33.	Min. 2,500 psi structural concrete	Min. 1.5-inch Multi-Max FA3	M-PG1-EF-ECO	(Optional) Additional layers(s) of base insulation	M-PG1-EF-ECO	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-215.0
C-34.	Min. 2,500 psi structural concrete	Min. 1.5-inch Multi-Max FA3	M-PG1-EF-ECO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-PG1-EF-ECO	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-232.5
C-35.	Min. 2,500 psi structural concrete	Min. 1.5-inch Multi-Max FA3	M-PG1-EF-ECO	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	M-PG1-EF-ECO	None	✓ BB-VB-432	-232.5
C-36.	Min. 2,500 psi structural concrete	Min. 1.5-inch Multi-Max FA3	M-PG1-EF-ECO	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	M-PG1-EF-ECO	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-232.5
C-37.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or H-Shield CG	M-PG1-EF-ECO	(Optional) Additional layer(s) of base insulation	M-PG1-EF-ECO	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-247.5

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

System No.	Deck (Note 1)	Base Insulation		Top Insulation		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
C-38.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or H-Shield CG	M-PG1-EF-ECO	Min. 0.25-inch DensDeck Prime	M-PG1-EF-ECO	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-247.5
C-39.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or H-Shield CG	M-PG1-EF-ECO	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	M-PG1-EF-ECO	None	BB-VB-432	-247.5
C-40.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or H-Shield CG	M-PG1-EF-ECO	Min. 0.25-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	M-PG1-EF-ECO	None	✓ BB-VB-432 ✓ FB-PG1-EF-ECO	-247.5
C-41.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or H-Shield CG	M-PG1-EF-ECO	0.5-inch ACFoam HD CoverBoard	M-PG1-EF-ECO	None	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-247.5
C-42.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or H-Shield CG	M-PG1-EF-ECO	0.5-inch H-Shield HD	M-PG1-EF-ECO	None	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-247.5
C-43.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or H-Shield CG	M-PG1-EF-ECO	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	M-PG1-EF-ECO	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-247.5
C-44.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1.5-inch ACFoam III	M-PG1-EF-ECO	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-PG1-EF-ECO	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-267.5
C-45.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1.5-inch ACFoam III	M-PG1-EF-ECO	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	M-PG1-EF-ECO	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-267.5
C-46.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam III	M-PG1-EF-ECO	(Optional) Additional layer(s) of base insulation	M-PG1-EF-ECO	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-327.5
C-47.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-PG1-EF-ECO, 6-inch o.c.	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board	M-PG1-EF-ECO, 6-inch o.c.	None	✓ BB-VB-432 ✓ FB-PG1-EF-ECO	-405.0
C-48.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II	M-PG1-EF-ECO, 4-inch o.c.	None	M-PG1-EF-ECO, 4-inch o.c.	None	✓ FB-PG1-EF-ECO	-670.0

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

System No.	Deck (Note 1)	Base Insulation		Top Insulation		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
C-49.	Min. 2,500 psi structural concrete	Min. 1.5-inch H-Shield CG	M-PG1-EF-ECO, 4-inch o.c.	None	M-PG1-EF-ECO, 4-inch o.c.	None	✓ BB-VB-432	-670.0
C-50.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	M-PG1-EF-ECO, 4-inch o.c.	Min. 0.5-inch DensDeck Prime	M-PG1-EF-ECO, 4-inch o.c.	None	✓ BB-VB or BB-VB-432 ✓ FB-WBA-636 or FB-PG1-EF-ECO	-827.5
C-51.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	M-PG1-EF-ECO, 4-inch o.c.	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	M-PG1-EF-ECO, 4-inch o.c.	None	✓ BB-VB-432 or BB-WBA ✓ FB-PG1-EF-ECO	-827.5
INSULATION IN OLYBOND 500:								
C-52.	Min. 2,500 psi structural concrete	Min. 1.0-inch Insulfoam IX	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-52.5
C-53.	Min. 2,500 psi structural concrete	Min. 1.0-inch Insulfoam IX	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-52.5
C-54.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	OB500	Min. 1.5-inch InsulFoam HD Composite	OB500	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA or FB-PG-EF-ECO	-102.5
C-55.	Min. 2,500 psi structural concrete	Min. 2.0-inch Insulfoam IX	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-120.0
C-56.	Min. 2,500 psi structural concrete	Min. 2.0-inch Insulfoam IX	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-120.0
C-57.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II	OB500	(Optional) Additional layers(s) of base insulation	OB500	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-150.0
C-58.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-150.0

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

System No.	Deck (Note 1)	Base Insulation		Top Insulation		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
C-59.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	OB500	Min. 0.25-inch DensDeck Prime	OB500	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-257.5
C-60.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-267.5
C-61.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	OB500	0.5-inch ACFoam HD CoverBoard	OB500	None	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-257.5
C-62.	Min. 2,500 psi structural concrete	(Optional) One or more layer(s), min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	OB500	0.5-inch H-Shield HD	OB500	None	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-257.5
C-63.	Min. 2,500 psi structural concrete	(Optional) Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	OB500	Min. 0.25-inch DensDeck Prime	OB500	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-282.5
C-64.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3 or H-Shield CG	OB500	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	None	✓ BB-VB, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-WBA or FB-WBA-636	-322.5
C-65.	Min. 2,500 psi structural concrete	(Optional) Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	OB500	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-322.5
C-66.	Min. 2,500 psi structural concrete	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	OB500	(Optional) Additional layer(s) of base insulation	OB500	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-327.5
C-67.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3 or H-Shield CG	OB500	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	None	✓ BB-VB-432 or BB-SPRAY-PVC ✓ FB-VB-432, FB-PG1-EF-ECO or FB-SPRAY-PVC	-390.0
C-68.	Min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500, 6-inch o.c.	None	N/A	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-490.0

NEMO|etc.®

TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER SEE NOTE 16A FOR VAPOR OR AIR BARRIER OPTIONS								
System No.	Deck (Note 1)	Base Insulation		Top Insulation		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
C-69.	Min. 2,500 psi structural concrete	Min. 2-inch Multi-Max FA3 or Tapered Thermaroof-3	OB500, 6-inch o.c.	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500, 6-inch o.c.	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-630.0
C-70.	Min. 2,500 psi structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500, 6-inch o.c.	None	N/A	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-657.5
INSULATION IN ICP ADHESIVES POLYSET CRA:								
C-71.	Min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch Insulfoam IX	Polyset CRA	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-180.0
C-72.	Min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch Insulfoam IX	Polyset CRA	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-180.0
C-73.	Min. 2,500 psi structural concrete	Min. 1-inch IB Multi-Max FA3 or UltraMax	Polyset CRA	(Optional) Additional layer(s) base of base insulation	Polyset CRA	None	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-250.0
C-74.	Min. 2,500 psi structural concrete	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	Polyset CRA	(Optional) Additional layer(s) base of base insulation	Polyset CRA	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-272.5
C-75.	Min. 2,500 psi structural concrete	(Optional) Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Polyset CRA	Min. 0.25-inch DensDeck Prime	Polyset CRA	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA or FB-WBA-636	-257.5
C-76.	Min. 2,500 psi structural concrete	(Optional) Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA or FB-WBA-636	-267.5
C-77.	Min. 2,500 psi structural concrete	(Optional) Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Polyset CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	None	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-272.5
C-78.	Min. 2,500 psi structural concrete	(Optional) Min. 1-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	Polyset CRA	Min. 0.25-inch DensDeck Prime	Polyset CRA	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-282.5

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

System No.	Deck (Note 1)	Base Insulation		Top Insulation		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
C-79.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, H-Shield or H-Shield CG	Polyset CRA	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Polyset CRA	None	✓ BB-VB-432 or BB-SPRAY-PVC ✓ FB-VB-432, FB-PG1-EF-ECO or FB-SPRAY-PVC	-300.0
C-80.	Min. 2,500 psi structural concrete	(Optional) Min. 1-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	Polyset CRA	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-322.5
C-81.	Min. 2,500 psi structural concrete	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	Polyset CRA, 6-inch o.c.	None	N/A	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-490.0
C-82.	Min. 2,500 psi structural concrete	(Optional) Min. 2-inch Multi-Max FA3 or Tapered Thermaroof-3	Polyset CRA, 6-inch o.c.	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA, 6-inch o.c.	SBS-TA1 or SBS-TA2	FB-PG1-EF-ECO	-530.0
C-83.	Min. 2,500 psi structural concrete	Min. 2-inch Multi-Max FA3 or Tapered Thermaroof-3	Polyset CRA, 6-inch o.c.	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA, 6-inch o.c.	SBS-TA1 or SBS-TA2	FB-CRA or FB-PG1-LPS	-625.0
C-84.	Min. 2,500 psi structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA, 6-inch o.c.	None	N/A	SBS-TA1 or SBS-TA2	FB-CRA or FB-PG1-LPS	-657.5
INSULATION IN ICP ADHESIVES POLYSET BOARD-MAX:								
C-85.	Min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch Insulfoam IX	Polyset BOARD-MAX	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-180.0
C-86.	Min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch Insulfoam IX	Polyset BOARD-MAX	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-180.0
C-87.	Min. 2,500 psi structural concrete	(Optional) Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Polyset BOARD-MAX	Min. 0.5-inch DensDeck Prime	Polyset BOARD-MAX	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-232.5
C-88.	Min. 2,500 psi structural concrete	(Optional) Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Polyset BOARD-MAX	Min. 0.5-inch DensDeck Prime	Polyset BOARD-MAX	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-232.5

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

System No.	Deck (Note 1)	Base Insulation		Top Insulation		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
C-89.	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	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-250.0
C-90.	Min. 2,500 psi structural concrete	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	Polyset BOARD-MAX	(Optional) Additional layer(s) base of base insulation	Polyset BOARD-MAX	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-272.5
C-91.	Min. 2,500 psi structural concrete	(Optional) Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Polyset BOARD-MAX	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA or FB-WBA-636	-267.5
C-92.	Min. 2,500 psi structural concrete	(Optional) Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Polyset BOARD-MAX	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX	None	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-272.5
C-93.	Min. 2,500 psi structural concrete	(Optional) Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Polyset BOARD-MAX	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-272.5
C-94.	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	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-490.0
C-95.	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	SBS-TA1 or SBS-TA2	FB-CRA or FB-PG1-LPS	-657.5
INSULATION IN TRUFAST ROOFING ADHESIVE:								
C-96.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or H-Shield CG	TF-RA	0.5-inch ACFoam HD CoverBoard	TF-RA	None	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-165.0
C-97.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or H-Shield CG	TF-RA	0.5-inch H-Shield HD	TF-RA	None	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-165.0
C-98.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or H-Shield CG	TF-RA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	TF-RA	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-195.0

TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER SEE NOTE 16A FOR VAPOR OR AIR BARRIER OPTIONS								
System No.	Deck (Note 1)	Base Insulation		Top Insulation		Roof Cover (Note 15)		MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
C-99.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or H-Shield CG	TF-RA	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	TF-RA	None	✓ BB-VB-432 ✓ FB-PG1-EF-ECO	-195.0
C-100.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or H-Shield CG	TF-RA	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	TF-RA	SBS-TA1 or SBS-TA2	✓ FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-195.0
C-101.	Min. 2,500 psi structural concrete	Min. 1.5-inch ENRGY 3	TF-RA	(Optional) Additional layers(s) of base insulation	TF-RA	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-262.5
C-102.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, H-Shield or H-Shield CG	TF-RA	(Optional) Additional layers(s) of base insulation	TF-RA	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-272.5
C-103.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II	TF-RA	None	N/A	None	✓ FB-PG1-EF-ECO	-322.5
C-104.	Min. 2,500 psi structural concrete	Min. 1.5-inch H-Shield CG	TF-RA	None	N/A	None	✓ BB-VB-432	-322.5

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			Top Insulation		Roof Cover (Note 15)		MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
C-105.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II or H-Shield	Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 2.0 ft²	Additional layer(s) base insulation	TF-RA or TF-RAT	None	✓ BB-VB, BB-VB-432, BB-WBA, BB-WBA-636 or BB-SPRAY-PVC ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-PG1-EF-ECO or FB-SPRAY-PVC	-52.5
C-106.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II or H-Shield	Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 2.0 ft²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	TF-RA or TF-RAT	None	✓ BB-VB, BB-VB-432, BB-WBA, BB-WBA-636 or BB-SPRAY-PVC ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-PG1-EF-ECO or FB-SPRAY-PVC	-52.5
C-107.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II or H-Shield	Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 2.0 ft²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	TF-RA or TF-RAT	SBS-TA1 or SBS-TA2	✓ FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-52.5
C-108.	Min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Note 2	1 per 1.6 ft²	Min. 0.25-inch DensDeck Prime	Polyset CRA or OB500, 6-inch o.c.	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-60.0
C-109.	Min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Note 2	1 per 1.6 ft²	0.5-inch ACFoam HD CoverBoard	OB500, 6-inch o.c.	None	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-60.0
C-110.	Min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Note 2	1 per 1.6 ft²	0.5-inch H-Shield HD	OB500, 6-inch o.c.	None	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-60.0
C-111.	Min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Note 2	1 per 1.6 ft²	Min. 0.25-inch DensDeck Prime	Polyset CRA or OB500, 6-inch o.c.	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-60.0

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			Top Insulation		Roof Cover (Note 15)		MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
C-112.	Min. 2,500 psi structural concrete	Min. 2-inch ACFoam II	Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.3 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	TF-RA or TF-RAT	None	✓ BB-VB, BB-VB-432, BB-WBA, BB-WBA-636 or BB-SPRAY-PVC ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-PG1-EF-ECO or FB-SPRAY-PVC	-60.0
C-113.	Min. 2,500 psi structural concrete	Min. 2-inch ACFoam II	Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.3 ft²	0.5-inch ACFoam HD CoverBoard	TF-RA or TF-RAT	None	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-60.0
C-114.	Min. 2,500 psi structural concrete	Min. 2-inch ACFoam II	Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.3 ft²	0.5-inch H-Shield HD	TF-RA or TF-RAT	None	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-60.0
C-115.	Min. 2,500 psi structural concrete	Min. 2-inch ACFoam II	Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.3 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	TF-RA or TF-RAT	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-60.0
C-116.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.3 ft²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	TF-RA or TF-RAT, 6-inch o.c.	None	✓ BB-VB, BB-VB-432, BB-WBA, BB-WBA-636 or BB-SPRAY-PVC ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-PG1-EF-ECO or FB-SPRAY-PVC	-67.5
C-117.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.3 ft²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	TF-RA or TF-RAT, 6-inch o.c.	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-67.5
C-118.	Min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Note 2	1 per 1.6 ft²	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA, 6-inch o.c.	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-75.0
C-119.	Min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Note 2	1 per 1.6 ft²	0.5-inch ACFoam HD CoverBoard	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA, 6-inch o.c.	None	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-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			Top Insulation		Roof Cover (Note 15)		MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
C-120.	Min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Note 2	1 per 1.6 ft²	0.5-inch H-Shield HD	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA, 6-inch o.c.	None	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-75.0
C-121.	Min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Note 2	1 per 1.6 ft²	Min. 0.25-inch M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA, 6-inch o.c.	Polyset BOARD-MAX, Polyset CRA, M-OSFA, M-PG1, OB500, 6-inch o.c.	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-75.0
C-122.	Min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, ACFoam III, ENRGY 3, 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	Polyset CRA or OB500, 6-inch o.c.	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-75.0
C-123.	Min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, ACFoam III, ENRGY 3, 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	Polyset CRA or OB500, 6-inch o.c.	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-75.0
C-124.	Min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	OMG #14 Heavy Duty or OMG CD-10 with OMG 3 in. Galvalume Steel Plates	1 per 1.3 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA, M-OSFA, M-PG1, OB500, 6-inch o.c.	None	✓ BB-VB or BB-WBA ✓ FB-VB, FB-WBA, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-97.5
C-125.	Min. 2,500 psi structural concrete	Min. 2-inch ENRGY 3	OMG #14 Heavy Duty or OMG CD-10 with OMG 3 in. Galvalume Steel Plates	1 per 1.3 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-OSFA, M-PG1, OB500, 6-inch o.c.	None	✓ BB-VB or BB-WBA ✓ FB-VB, FB-WBA, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-97.5
C-126.	Min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	OMG #14 Heavy Duty or OMG CD-10 with OMG 3 in. Galvalume Steel Plates	1 per 1.3 ft²	0.5-inch ACFoam HD CoverBoard	M-OSFA, M-PG1 or OB500, 6-inch o.c.	None	✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-97.5
C-127.	Min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	OMG #14 Heavy Duty or OMG CD-10 with OMG 3 in. Galvalume Steel Plates	1 per 1.3 ft²	0.5-inch H-Shield HD	M-OSFA, M-PG1 or OB500, 6-inch o.c.	None	✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-97.5

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			Top Insulation		Roof Cover (Note 15)		MDP (psf)
		Type	Fasten (Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
C-128.	Min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	OMG #14 Heavy Duty or OMG CD-10 with OMG 3 in. Galvalume Steel Plates	1 per 1.3 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA, M-OSFA, M-PG1, OB500, 6-inch o.c.	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-97.5
C-129.	Min. 2,500 psi structural concrete	Min. 2-inch ENRGY 3	OMG #14 Heavy Duty or OMG CD-10 with OMG 3 in. Galvalume Steel Plates	1 per 1.3 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-OSFA, M-PG1, OB500, 6-inch o.c.	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-97.5
C-130.	Min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	OMG #14 Heavy Duty or OMG CD-10 with OMG 3 in. Galvalume Steel Plates	1 per 1.3 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX, 6-inch o.c.	None	✓ BB-VB or BB-WBA ✓ FB-VB, FB-WBA, FB-CRA, FB-PG1-LPS or FB-PG-EF-ECO	-97.5
C-131.	Min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	OMG #14 Heavy Duty or OMG CD-10 with OMG 3 in. Galvalume Steel Plates	1 per 1.3 ft²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX, 6-inch o.c.	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-97.5
C-132.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.0 ft²	Additional layer(s) base insulation	TF-RA or TF-RAT, 6-inch o.c.	None	✓ BB-VB-432 FB-VB-432, FB-PG1-EF-ECO or FB-SPRAY-PVC	-97.5
C-133.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.0 ft²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	TF-RA or TF-RAT, 6-inch o.c.	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-97.5
C-134.	Min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, ACFoam III or H-Shield	OMG #14 Heavy Duty or OMG CD-10 with OMG 3 in. Galvalume Steel Plates	1 per 1.0 ft²	Min. 0.25-inch DensDeck Prime	Polyset BOARD-MAX	None	✓ BB-VB or BB-WBA ✓ FB-VB, FB-WBA or FB-CRA	-105.0
C-135.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield	Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.0 ft²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	TF-RA or TF-RAT, 6-inch o.c.	None	✓ BB-VB, BB-VB-432, BB-WBA, BB-WBA-636 or BB-SPRAY-PVC ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-PG1-EF-ECO or FB-SPRAY-PVC	-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	Top Insulation			Roof Cover (Note 15)		MDP (psf)
			Type	Fasteners (Note 11)	Attach (Note 17)	Base Ply	Cap Ply	
C-136.	Min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield, H-Shield CG, Insulfoam HD Composite or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OMG #14 Heavy Duty or OMG CD-10 with OMG 3 in. Galvalume Steel Plates	1 per 1.3 ft^2	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA or FB-PG-EF-ECO	-75.0
C-137.	Min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ENRGY 3	OMG #14 Heavy Duty or OMG CD-10 with OMG 3 in. Galvalume Steel Plates	1 per 1.3 ft^2	None	✓ BB-VB or BB-WBA ✓ FB-VB, FB-WBA or FB-PG1-EF-ECO	-75.0
C-138.	Min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG or min. 0.25-inch DensDeck Prime	OMG #14 Heavy Duty or OMG CD-10 with OMG 3 in. Galvalume Steel Plates	1 per 1.3 ft^2	None	FB-PG1-LPS	-75.0
C-139.	Min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	OMG #14 Heavy Duty or OMG CD-10 with OMG 3 in. Galvalume Steel Plates or Trufast #14 HD or Trufast ¼" Concrete Spike with Trufast 3" Metal Insulation Plate	1 per 1.3 ft^2	None	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA or FB-PG1-EF-ECO	-75.0
C-140.	Min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OMG #14 Heavy Duty or OMG CD-10 with OMG 3 in. Galvalume Steel Plates	1 per 1.3 ft^2	SBS-TA1 or SBS-TA2	FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-75.0

TABLE 3D: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER							
System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)	Attachment			Roof Cover (Note 15B)	MDP (psf)
			Fasteners (Note 11)	Row Spacing (inch)	Fastener Spacing (inch)		
SFS ISOWELD INDUCTION WELD SYSTEMS:							
C-141.	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)	36	24 (staggered)	IB PVC or IB PVC Single Ply Chemguard (min. 60-mil) induction welded with SFS *isoweld®* 3000 tool.	-52.5
C-142.	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)	24	24 (staggered)	IB PVC Single Ply or IB PVC Single Ply Chemguard induction welded with SFS *isoweld®* 3000 tool.	-52.5
C-143.	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)	24	18 (staggered)	IB PVC or IB PVC Single Ply or IB PVC Single Ply Chemguard induction welded with SFS *isoweld®* 3000 tool.	-82.5
C-144.	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)	60	6	IB PVC or IB PVC Single Ply or IB PVC Single Ply Chemguard induction welded with SFS *isoweld®* 3000 tool.	-90.0
TRUFAST IW PVC PLATE INDUCTION WELD SYSTEMS:							
C-145.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch thick, prelim. attach	Trufast #14 HD Fastener with Trufast IW PVC Plate	48	12	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-60.0
C-146.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch thick	Trufast #14 HD Fastener with Trufast IW PVC Plate	1 per 4.0 ft² (8 parts per 4x8 ft board)		IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-60.0
C-147.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch thick	Trufast #14 HD Fastener with Trufast IW PVC Plate	1 per 3.2 ft² (10 parts per 4x8 ft board)		IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-67.5
C-148.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch thick, prelim. attach	Trufast #14 HD Fastener with Trufast IW PVC Plate	72	6	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-75.0
C-149.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch thick, prelim. attach	Trufast #14 HD Fastener with Trufast IW PVC Plate	36	12	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-82.5
C-150.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch thick	Trufast #14 HD Fastener with Trufast IW PVC Plate	1 per 2.7 ft² (12 parts per 4x8 ft board)		IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-82.5
C-151.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch thick, prelim. attach	Trufast #14 HD Fastener with Trufast IW PVC Plate	60	6	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-90.0

TABLE 3D: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER							
System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)	Attachment			Roof Cover (Note 15B)	MDP (psf)
			Fasteners (Note 11)	Row Spacing (inch)	Fastener Spacing (inch)		
C-152.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch thick, prelim. attach	Trufast #14 HD Fastener with Trufast IW PVC Plate	48	6	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-112.5
C-153.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch thick	Trufast #14 HD Fastener with Trufast IW PVC Plate	1 per 2.0 ft² (16 parts per 4x8 ft board)		IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-112.5
C-154.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch thick	Trufast #14 HD Fastener with Trufast IW PVC Plate	1 per 1.8 ft² (18 parts per 4x8 ft board)		IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-120.0
C-155.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch thick, prelim. attach	Trufast #14 HD Fastener with Trufast IW PVC Plate	36	6	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-150.0
C-156.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch thick	Trufast #14 HD Fastener with Trufast IW PVC Plate	1 per 1.3 ft² (24 parts per 4x8 ft board)		IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-172.5
C-157.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch thick	Trufast #14 HD Fastener with Trufast IW PVC Plate	1 per 1.0 ft² (32 parts per 4x8 ft board)		IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-217.5

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 3, Note 13)		Roof Cover (Note 15A)			MDP (psf)
		Type	Attach	Membrane	Fasteners (Note 11)	Attach	
C-158.	Min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. attach	IB PVC Single Ply ChemGuard	OMG CD-10 Fasteners with OMG 2-3/8 XHD Barbed Stress Plates	In-Seam: 6-inch x 67-inch	-60.0
C-159.	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-160.	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-161.	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-162.	Min. 2,500 psi structural concrete	✓ BB-WBA-636 ✓ FB-WBA-636, FB-PG1-LPS or FB-PG1-EF-ECO	-327.5
C-163.	Min. 2,500 psi structural concrete	✓ BB-WBA ✓ FB-WBA or FB-CRA	-512.5
C-164.	Min. 2,500 psi structural concrete	✓ FB-PG1-EF-ECO	-707.5

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		Coverboard		Roof Cover (Note 15)	MDP (psf)*
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
CELCORE (NOA 23-0718.06):								
LWC-1	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete; treated with Celcore PVA Curing Compound	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-OSFA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-90.0
LWC-2	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete; treated with Celcore PVA Curing Compound	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA	0.5-inch ACFoam HD CoverBoard	M-OSFA	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-90.0
LWC-3	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete; treated with Celcore PVA Curing Compound	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA	0.5-inch H-Shield HD	M-OSFA	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-90.0
LWC-4	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete; treated with Celcore PVA Curing Compound and surfaced with Celcore Sanded Bonding Surface	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-OSFA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-217.5
LWC-5	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete; treated with Celcore PVA Curing Compound and surfaced with Celcore Sanded Bonding Surface	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA	0.5-inch ACFoam HD CoverBoard	M-OSFA	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-217.5
LWC-6	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete; treated with Celcore PVA Curing Compound and surfaced with Celcore Sanded Bonding Surface	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA	0.5-inch H-Shield HD	M-OSFA	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-217.5
LWC-7	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete; treated with Celcore PVA Curing Compound and surfaced with Celcore Sanded Bonding Surface	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-PG1	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-OSFA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-232.5
LWC-8	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete; treated with Celcore PVA Curing Compound and surfaced with Celcore Sanded Bonding Surface	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-PG1	0.5-inch ACFoam HD CoverBoard	M-OSFA	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-232.5

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		Coverboard		Roof Cover (Note 15)	MDP (psf)*
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-9	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete; treated with Celcore PVA Curing Compound and surfaced with Celcore Sanded Bonding Surface	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-PG1	0.5-inch H-Shield HD	M-OSFA	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-232.5
LWC-10	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete; treated with Celcore PVA Curing Compound	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-PG1	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-OSFA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-240.0
LWC-11	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete; treated with Celcore PVA Curing Compound	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-PG1	0.5-inch ACFoam HD CoverBoard	M-OSFA	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-240.0
LWC-12	Structural concrete	Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete; treated with Celcore PVA Curing Compound	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-PG1	0.5-inch H-Shield HD	M-OSFA	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-240.0
LWC-13	Structural concrete	Min. 420 psi, min. 2-inch Celcore MF Cellular Concrete	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA, 6-inch o.c.	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA, 6-inch o.c.	✓ BB-VB-432 ✓ FB-PG1-EF-ECO	-405.0
LWC-14	Structural concrete	Min. 420 psi, min. 2-inch Celcore MF Cellular Concrete	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA, 6-inch o.c.	0.5-inch ACFoam HD CoverBoard	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA, 6-inch o.c.	✓ FB-PG1-EF-ECO	-405.0
LWC-15	Structural concrete	Min. 420 psi, min. 2-inch Celcore MF Cellular Concrete	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA, 6-inch o.c.	0.5-inch H-Shield HD	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA, 6-inch o.c.	✓ FB-PG1-EF-ECO	-405.0
LWC-16	Structural concrete	Min. 200 psi, min. 2-inch Celcore Cellular Concrete.	Min. 1.5-inch Insulfoam IX	Polyset CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-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		Coverboard		Roof Cover (Note 15)	MDP (psf)*
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-17	Structural concrete	Min. 200 psi, min. 2-inch Celcore Cellular Concrete.	Min. 1.5-inch Insulfoam XIV	Polyset CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-202.5
LWC-18	Structural concrete	Min. 200 psi, min. 2-inch Celcore Cellular Concrete.	Min. 1.5-inch ACFoam II or Multi-Max FA3	Polyset CRA	(Optional) Additional layers base insulation	Polyset CRA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-215.0
LWC-19	Structural concrete	Min. 200 psi, min. 2-inch Celcore Cellular Concrete.	(Optional) Min. 1.5-inch ACFoam II or Multi-Max FA3	Polyset CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-222.5
ELASTIZELL (NOA 23-0817.05):								
LWC-20	Structural concrete	Min. 200 psi, min. 2-inch Range II Elastizell Lightweight Insulating Concrete	Min. 1.5-inch ACFoam II or Multi-Max FA3	Polyset CRA	(Optional) Additional layers base insulation	Polyset CRA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-180.0
LWC-21	Structural concrete	Min. 200 psi, min. 2-inch Range II Elastizell Lightweight Insulating Concrete	(Optional) Min. 1.5-inch ACFoam II or Multi-Max FA3	Polyset CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-180.0
LWC-22	Structural concrete	Min. 200 psi, min. 2-inch Range II Elastizell Lightweight Insulating Concrete	Min. 1.5-inch Insulfoam IX	Polyset CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-180.0
LWC-23	Structural concrete	Min. 200 psi, min. 2-inch Range II Elastizell Lightweight Insulating Concrete	Min. 1.5-inch Insulfoam XIV	Polyset CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-202.5
LWC-24	Structural concrete	Min. 200 psi, min. 2-inch Range II Elastizell Lightweight Insulating Concrete	Min. 1.5-inch ACFoam II	OB500	(Optional) Additional layers base insulation	OB500	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-215.0
LWC-25	Structural concrete	Min. 200 psi, min. 2-inch Range II Elastizell Lightweight Insulating Concrete	(Optional) Min. 1.5-inch ACFoam II	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-225.0
LWC-26	Structural concrete	Min. 200 psi, min. 2-inch Range II Elastizell Lightweight Insulating Concrete	(Optional) Min. 1.5-inch ACFoam II	OB500	0.5-inch ACFoam HD CoverBoard	OB500	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-225.0
LWC-27	Structural concrete	Min. 200 psi, min. 2-inch Range II Elastizell Lightweight Insulating Concrete	(Optional) Min. 1.5-inch ACFoam II	OB500	0.5-inch H-Shield HD	OB500	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-225.0
MEARLCRETE (NOA 24-0514.06):								

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		Coverboard		Roof Cover (Note 15)	MDP (psf)*
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-28	Structural concrete	Min. 200 psi, min. 2-inch Mearlcrete	Min. 1.5-inch Insulfoam IX	Polyset CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-180.0
LWC-29	Structural concrete	Min. 200 psi, min. 2-inch Mearlcrete	Min. 1.5-inch Insulfoam XIV	Polyset CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-202.5
LWC-30	Structural concrete	Min. 200 psi, min. 2-inch Mearlcrete	Min. 1.5-inch ACFoam II or Multi-Max FA3	Polyset CRA	(Optional) Additional layers base insulation	Polyset CRA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-215.0
LWC-31	Structural concrete	Min. 200 psi, min. 2-inch Mearlcrete	(Optional) Min. 1.5-inch ACFoam II or Multi-Max FA3	Polyset CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-240.0
PRE-EXISTENT CELLULAR LWC (NOTE 14):								
LWC-32	Min. 22 ga., Type BV, Grade 40 steel, 6 ft span	Min. 400-psi pre-existent cellular LWC. *To qualify the LWC, a Trufast FM-90 base ply fastener shall yield MCRF ≥ 149 lbf when tested per Note 11.*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA	✓ BB-VB, BB-VB-432, BB-WBA, BB-WBA-636 or BB-SPRAY-PVC ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-60.0
LWC-33	Min. 22 ga., Type BV, Grade 40 steel, 6 ft span	Min. 400-psi pre-existent cellular LWC. *To qualify the LWC, a Trufast FM-90 base ply fastener shall yield MCRF ≥ 149 lbf when tested per Note 11.*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA	Min. 0.25-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA	✓ BB-VB, BB-VB-432 or BB-SPRAY-PVC ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-60.0
LWC-34	Min. 22 ga., Type BV, Grade 40 steel, 6 ft span	Min. 400-psi pre-existent cellular LWC. *To qualify the LWC, a Trufast FM-90 base ply fastener shall yield withdrawal resistance ≥ 149 lbf when tested per Note 11.*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA	0.5-inch ACFoam HD CoverBoard	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-60.0
LWC-35	Min. 22 ga., Type BV, Grade 40 steel, 6 ft span	Min. 400-psi pre-existent cellular LWC. *To qualify the LWC, a Trufast FM-90 base ply fastener shall yield withdrawal resistance ≥ 149 lbf when tested per Note 11.*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA	0.5-inch H-Shield HD	M-OSFA, M-PG1, M-PG1-EF-ECO or TF-RA	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-60.0

TABLE 4A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER								
System No.	**Deck** (Note 1)	**Lightweight Concrete** (Note 14)	**Base Insulation**		**Coverboard**		**Roof Cover** (Note 15)	**MDP (psf)***
			Type	**Attach** (Notes 6,7,8)	**Type**	**Attach** (Notes 6,7,8)		
LWC-36	Min. 22 ga., Type BV, Grade 50 steel, 6 ft span	Min. 400-psi pre-existent cellular LWC. *To qualify the LWC, a Trufast FM-90 base ply fastener shall yield MCRF ≥ 132 lbf when tested per Note 11.*	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3, EnergyGuard Polyiso Insulation or H-Shield	M-OSFA, M-PG1 or M-PG1-EF-ECO	(Optional) Additional layer(s) base insulation followed by	M-OSFA, M-PG1 or M-PG1-EF-ECO	✓ FB-PG1-EF-ECO	-67.5
LWC-37	Min. 22 ga., Type BV, Grade 50 steel, 6 ft span	Min. 400-psi pre-existent cellular LWC. *To qualify the LWC, a Trufast FM-90 base ply fastener shall yield MCRF ≥ 132 lbf when tested per Note 11.*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, EnergyGuard Polyiso Insulation, H-Shield or H-Shield CG	M-OSFA, M-PG1 or M-PG1-EF-ECO	Min. 0.5-inch DensDeck Prime	M-OSFA, M-PG1 or M-PG1-EF-ECO	✓ BB-VB, BB-VB-432 or BB-WBA ✓ FB-VB, FB-VB-432, FB-WBA or FB-PG1-EF-ECO	-67.5
LWC-38	Min. 22 ga., Type BV, Grade 50 steel, 6 ft span	Min. 400-psi pre-existent cellular LWC. *To qualify the LWC, a Trufast FM-90 base ply fastener shall yield MCRF ≥ 132 lbf when tested per Note 11.*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, EnergyGuard Polyiso Insulation, H-Shield or H-Shield CG	M-OSFA, M-PG1 or M-PG1-EF-ECO	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	M-OSFA, M-PG1 or M-PG1-EF-ECO	✓ BB-VB-432 or BB-WBA ✓ FB-VB-432, FB-WBA or FB-PG1-EF-ECO	-67.5
LWC-39	Min. 22 ga., Type BV, Grade 50 steel, 6 ft span	Min. 400-psi pre-existent cellular LWC. *To qualify the LWC, a Trufast FM-90 base ply fastener shall yield MCRF ≥ 132 lbf when tested per Note 11.*	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, EnergyGuard Polyiso Insulation, H-Shield or H-Shield CG	M-OSFA, M-PG1 or M-PG1-EF-ECO	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board	M-OSFA, M-PG1 or M-PG1-EF-ECO	✓ BB-VB-432 ✓ FB-PG1-EF-ECO	-67.5

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 24-0906.02):					
LWC-40	Min. 22 ga., Type B, Grade 33 steel, 6 ft span; #12 HWH Teks 5, 6" o.c.	Min. 200 psi, min. 2-inch Celcore Cellular Concrete	Celcore Curing Compound	✓ FB-PG1-EF-ECO	-60.0
LWC-41	Min. 22 ga., Type B or BV, Grade 33 steel, 6 ft span; 5/8" puddle welds, 6" o.c.	Min. 350 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Celcore Curing Compound	✓ FB-PG1-EF-ECO	-60.0
LWC-42	Min. 22 ga., Type BV, Grade 40 steel, 6 ft span; 5/8" puddle welds, 6" o.c.	Celcore S-1 Deck Preparation Min. 350 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Celcore Curing Compound	✓ FB-PG1-EF-ECO	-67.5
LWC-43	Min. 22 ga., Type B, Grade 33 steel, 5 ft span; #12 HWH Teks 5, 6" o.c.	Min. 200 psi, min. 2-inch Celcore Cellular Concrete	Celcore Curing Compound	✓ FB-PG1-EF-ECO	-75.0
LWC-44	Min. 22 ga., Type BV, Grade 40 steel, 6 ft span; 5/8" puddle welds, 6" o.c.	Celcore S-1 Deck Preparation Min. 310 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Celcore Curing Compound	✓ FB-PG1-EF-ECO	-82.5
LWC-45	Min. 22 ga., Type BV, Grade 40 steel, 6 ft span, ½" to 5/8" puddle welds, 6" o.c.	Celcore S-1 Deck Preparation Min. 460 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Celcore Curing Compound	✓ FB-PG1-EF-ECO	-90.0
LWC-46	Min. 22 ga., Type B, Grade 33 steel, 4 ft span; #12 HWH Teks 5, 6" o.c.	Min. 200 psi, min. 2-inch Celcore Cellular Concrete	Celcore Curing Compound	✓ FB-PG1-EF-ECO	-90.0
LWC-47	Structural concrete	Min. 200 psi, min. 2-inch Celcore Cellular Concrete	Celcore Curing Compound	✓ FB-PG1-EF-ECO	-135.0
LWC-48	Structural concrete	Min. 200 psi, min. 2-inch Celcore Cellular Concrete	In accordance with LWC manufacturer's requirements	✓ BB-WBA or BB-WBA-636 ✓ FB-WBA, FB-WBA-636 or FB-CRA	-242.5
LWC-49	Structural concrete	Min. 225 psi, min. 2-inch Celcore MF Cellular Concrete	Celcore Curing Compound	✓ FB-PG1-EF-ECO	-262.5
LWC-50	Structural concrete	Min. 400 psi, min. 2-inch Celcore Cellular Concrete (no EPS) or min. 350 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Celcore Curing Compound	✓ FB-PG1-EF-ECO	-300.0
ELASTIZELL (NOA 23-0817.05):					
LWC-51	Min. 22 ga., Type BV, Grade 33 steel, 6 ft span; 5/8" puddle welds, 6" o.c.	Min. 430 psi, min. 2-inch Elastizell Lightweight Insulating Concrete with Zell-Crete Fibers	None	✓ FB-PG1-EF-ECO	-52.5

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)***
LWC-52	Min. 22 ga., Type BV, Grade 33 steel, 5 ft span; puddle welds with 3/8" weld washers, 6" o.c.	Zell Bonding Agent applied to steel deck. Min. 200 psi, min. 2.5-inch Elastizell Lightweight Insulating Concrete	None	✓ FB-PG1-EF-ECO	-60.0
LWC-53	Min. 22 ga., Type BV, Grade 33 steel, 4 ft span; #12 HWH Teks 5, 6" o.c.	Min. 550 psi, min. 3-inch Elastizell Lightweight Insulating Concrete (no EPS)	None	✓ FB-PG1-EF-ECO	-90.0
LWC-54	Min. 22 ga., Type BV, Grade 33 steel, 6 ft span; #12 HWH Teks 5, 6" o.c.	Min. 700 psi, min. 2-inch Elastizell Lightweight Insulating Concrete	None	✓ FB-PG1-EF-ECO	-105.0
LWC-55	Structural concrete	Min. 200 psi, min. 2-inch Range II Elastizell Lightweight Insulating Concrete	None	✓ BB-WBA or BB-WBA-636 ✓ FB-WBA, FB-WBA-636, FB-CRA or FB-PG1-EF-ECO	-242.5
LWC-56	Structural concrete	Min. 400 psi, min. 2-inch Elastizell Lightweight Insulating Concrete (no EPS)	None	✓ FB-PG1-EF-ECO	-487.5
MEARLCRETE (NOA 24-0514.06):					
LWC-57	Min. 22 ga., Type BV, Grade 33 steel, 5 ft span; puddle welds with 3/8" weld washers, 6" o.c.	Min. 200 psi, min. 2-inch Mearlcrete	None	✓ FB-PG1-EF-ECO	-75.0
LWC-58	Structural concrete	Min. 200 psi, min. 2-inch Mearlcrete	None	✓ FB-PG1-EF-ECO	-152.5
LWC-59	Structural concrete	Min. 200 psi, min. 2-inch Mearlcrete	None	✓ BB-WBA or BB-WBA-636 ✓ FB-WBA, FB-WBA-636 or FB-CRA	-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 (Note 1, Note 12)	Base Insulation		Top Insulation		Roof Cover (Note 15)	MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
CWF-1.	3-inch Tectum Plank; 4 ft span	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA, M-PG1 or M-PG1-EF-ECO	(Optional) Additional layer(s) of base insulation and/or Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	M-OSFA, M-PG1 or M-PG1-EF-ECO	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-75.0
CWF-2.	3-inch Tectum Plank; 4 ft span	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA, M-PG1 or M-PG1-EF-ECO	Additional layer(s) of base insulation followed by 0.5-inch ACFoam HD CoverBoard	M-OSFA, M-PG1 or M-PG1-EF-ECO	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-75.0
CWF-3.	3-inch Tectum Plank; 4 ft span	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA, M-PG1 or M-PG1-EF-ECO	Additional layer(s) of base insulation followed by 0.5-inch H-Shield HD	M-OSFA, M-PG1 or M-PG1-EF-ECO	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-75.0
CWF-4.	3-inch Tectum Plank; 4 ft span	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA, M-PG1 or M-PG1-EF-ECO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-OSFA, M-PG1 or M-PG1-EF-ECO	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-PG1-LPS or FB-PG1-EF-ECO	-90.0
CWF-5.	3-inch Tectum Plank; 4 ft span	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA, M-PG1 or M-PG1-EF-ECO	0.5-inch ACFoam HD CoverBoard	M-OSFA, M-PG1 or M-PG1-EF-ECO	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-90.0
CWF-6.	3-inch Tectum Plank; 4 ft span	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA, M-PG1 or M-PG1-EF-ECO	0.5-inch H-Shield HD	M-OSFA, M-PG1 or M-PG1-EF-ECO	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-90.0
CWF-7.	2-inch Tectum Plank; 4 ft span	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA, M-PG1, M-PG1-EF-ECO, TF-RA or TF-RAT, 6-inch o.c.	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fibrer Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board	M-OSFA, M-PG1, M-PG1-EF-ECO, TF-RA or TF-RAT, 6-inch o.c.	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-127.5
CWF-8.	2-inch Tectum Plank; 4 ft span	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA, M-PG1, M-PG1-EF-ECO, TF-RA or TF-RAT, 4-inch o.c.	(Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fibrer Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board	M-OSFA, M-PG1, M-PG1-EF-ECO, TF-RA or TF-RAT, 4-inch o.c.	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-350.0
CWF-9.	2-inch Tectum Plank; 4 ft span	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA, M-PG1, M-PG1-EF-ECO, TF-RA or TF-RAT, 4-inch o.c.	0.5-inch ACFoam HD CoverBoard	M-OSFA, M-PG1, M-PG1-EF-ECO, TF-RA or TF-RAT, 4-inch o.c.	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-350.0

TABLE 5A: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1, Note 12)	Base Insulation		Top Insulation		Roof Cover (Note 15)	MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
CWF-10.	2-inch Tectum Plank; 4 ft span	(Optional) Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	M-OSFA, M-PG1, M-PG1-EF-ECO, TF-RA or TF-RAT, 4-inch o.c.	0.5-inch H-Shield HD	M-OSFA, M-PG1, M-PG1-EF-ECO, TF-RA or TF-RAT, 4-inch o.c.	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-350.0
CWF-11.	2-inch Tectum Plank; 4 ft span	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fibre Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board	M-OSFA, M-PG1, M-PG1-EF-ECO, TF-RA or TF-RAT, 4-inch o.c.	None	N/A	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-455.0
CWF-12.	Existing Tectum Plank or Tectum LS Plank (re-roof only)	Min. 1.5-inch ACFoam II or Multi-Max FA3	OB500	(Optional) Additional layer(s) of base insulation	OB500	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-45.0
CWF-13.	Existing Tectum Plank or Tectum LS Plank (re-roof only)	(Optional) Min. 1.5-inch ACFoam II or Multi-Max FA3	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-45.0
CWF-14.	Existing Tectum Plank or Tectum LS Plank (re-roof only)	(Optional) Min. 1.5-inch ACFoam II or Multi-Max FA3	OB500	0.5-inch ACFoam HD CoverBoard	OB500	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-45.0
CWF-15.	Existing Tectum Plank or Tectum LS Plank (re-roof only)	(Optional) Min. 1.5-inch ACFoam II or Multi-Max FA3	OB500	0.5-inch H-Shield HD	OB500	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-45.0
CWF-16.	Existing Fibroplank (re-roof only)	Min. 1.5-inch ACFoam II or Multi-Max FA3	Polyset CRA	(Optional) Additional layer(s) of base insulation	Polyset CRA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-52.5
CWF-17.	Existing Fibroplank (re-roof only)	(Optional) Min. 1.5-inch ACFoam II or Multi-Max FA3	Polyset CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-52.5
CWF-18.	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.)	Min. 1-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG	Polyset CRA	(Optional) Additional layer(s) of base insulation	N/A	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA or FB-PG1-EF-ECO	-75.0

TABLE 5A: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1, Note 12)	Base Insulation		Top Insulation		Roof Cover (Note 15)	MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
CWF-19.	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) Min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG or min. 1.5 pcf Insulfoam II or min. 2.0 pcf Insulfoam IX	Polyset CRA	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA or FB-PG1-EF-ECO	-75.0
CWF-20.	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 ACFoam-II, 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	✓ BB-VB or BB-WBA ✓ FB-VB, FB-WBA, FB-CRA or FB-PG1-LPS	-75.0

TABLE 6A: GYPSUM DECKS - REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1, Note 12)	Base Insulation		Top Insulation		Roof Cover (Note 15)	MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
INSULATION IN MILLENNIUM ONE STEP FOAMABLE ADHESIVE, MILLENNIUM PG-1 PUMP GRADE ADHESIVE OR MILLENNIUM PG-1 EF ECO:							
G-1.	Existing gypsum deck	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG or Multi-Max FA3	M-OSFA, M-PG1 or M-PG1-EF-ECO	(Optional) Additional layers(s) of base insulation	M-OSFA, M-PG1 or M-PG1-EF-ECO	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-202.5
G-2.	Existing gypsum deck	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, EnergyGuard Polyiso Insulation, H-Shield, H-Shield CG or Multi-Max FA3	M-OSFA, M-PG1 or M-PG1-EF-ECO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-OSFA, M-PG1 or M-PG1-EF-ECO	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-202.5
G-3.	Existing gypsum deck	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, EnergyGuard Polyiso Insulation, H-Shield, H-Shield CG or Multi-Max FA3	M-OSFA, M-PG1 or M-PG1-EF-ECO	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	M-OSFA, M-PG1 or M-PG1-EF-ECO	✓ BB-VB-432	-202.5
G-4.	Existing gypsum deck	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, EnergyGuard Polyiso Insulation, H-Shield, H-Shield CG or Multi-Max FA3	M-OSFA, M-PG1 or M-PG1-EF-ECO	Min. 0.25-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	M-OSFA, M-PG1 or M-PG1-EF-ECO	✓ BB-VB-432 ✓ FB-PG1-EF-ECO	-202.5
G-5.	Existing gypsum deck	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, EnergyGuard Polyiso Insulation, H-Shield, H-Shield CG or Multi-Max FA3	M-OSFA, M-PG1 or M-PG1-EF-ECO	0.5-inch ACFoam HD CoverBoard	M-OSFA, M-PG1 or M-PG1-EF-ECO	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-202.5
G-6.	Existing gypsum deck	Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, EnergyGuard Polyiso Insulation, H-Shield, H-Shield CG or Multi-Max FA3	M-OSFA, M-PG1 or M-PG1-EF-ECO	0.5-inch H-Shield HD	M-OSFA, M-PG1 or M-PG1-EF-ECO	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-202.5
INSULATION IN OLYBOND 500:							
G-7.	Existing gypsum deck	Min. 1.0-inch Insulfoam IX	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-52.5
G-8.	Existing gypsum deck	Min. 2.0-inch Insulfoam IX	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-112.5

TABLE 6A: GYPSUM DECKS - REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1, Note 12)	Base Insulation		Top Insulation		Roof Cover (Note 15)	MDP (psf)*
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
G-9.	Existing gypsum deck	Min. 1.5-inch ACFoam II	OB500	(Optional) Additional layers(s) of base insulation	OB500	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-112.5
G-10.	Existing gypsum deck	(Optional) Min. 1.5-inch ACFoam II	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-112.5
G-11.	Existing gypsum deck	(Optional) Min. 1.5-inch ACFoam II	OB500	0.5-inch ACFoam HD CoverBoard	OB500	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-112.5
G-12.	Existing gypsum deck	(Optional) Min. 1.5-inch ACFoam II	OB500	0.5-inch H-Shield HD	OB500	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-112.5
INSULATION IN ICP ADHESIVES POLYSET CRA:							
G-13.	Existing gypsum deck	One or more layers, min. 1.5-inch Insulfoam IX	Polyset CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-180.0
G-14.	Existing gypsum deck	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	Polyset CRA	(Optional) Additional layers(s) of base insulation	Polyset CRA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-215.0
G-15.	Existing gypsum deck	(Optional) Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Polyset CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-245.0
INSULATION IN ICP ADHESIVES POLYSET BOARD-MAX:							
G-16.	Existing gypsum deck	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3 or H-Shield	Polyset BOARD-MAX	(Optional) Additional layers(s) of base insulation	Polyset BOARD-MAX	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-215.0
G-17.	Existing gypsum deck	(Optional) Min. 1-inch ACFoam II, ACFoam III, ENRGY 3 H-Shield or Multi-Max FA3	Polyset BOARD-MAX	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-245.0

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

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (Note 1, Note 12)	Base Insulation		Top Insulation		Roof Cover (Note 15)	MDP (psf)*[A]
		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 DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	HA (back-mopped)	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-202.5
R-2.	Existing asphaltic BUR or modified bitumen	Min. 1.5-inch ACFoam II or Multi-Max FA3	HA	(Optional) Additional layers(s) of base insulation	HA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-215.0
R-3.	Existing asphaltic BUR or modified bitumen	(Optional) Min. 1.5-inch ACFoam II or Multi-Max FA3	HA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	HA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-255.0
INSULATION IN MILLENNIUM ONE STEP FOAMABLE ADHESIVE OR MILLENNIUM PG-1 PUMP GRADE ADHESIVE:							
R-4.	Existing asphaltic BUR or modified bitumen	Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	M-OSFA, M-PG1	(Optional) Additional layers(s) of base insulation	M-OSFA, M-PG1	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-215.0
R-5.	Existing asphaltic BUR or modified bitumen	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	M-OSFA, M-PG1	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-OSFA, M-PG1	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-232.5
R-6.	Existing asphaltic BUR or modified bitumen	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	M-OSFA, M-PG1	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	M-OSFA, M-PG1	✓ BB-VB-432	-232.5
R-7.	Existing asphaltic BUR or modified bitumen	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	M-OSFA, M-PG1	Min. 0.25-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	M-OSFA, M-PG1	✓ BB-VB-432 ✓ FB-PG1-EF-ECO	-232.5
R-8.	Existing asphaltic BUR or modified bitumen	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	M-OSFA, M-PG1	0.5-inch ACFoam HD CoverBoard	M-OSFA, M-PG1	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-232.5
R-9.	Existing asphaltic BUR or modified bitumen	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	M-OSFA, M-PG1	0.5-inch H-Shield HD	M-OSFA, M-PG1	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-232.5
INSULATION IN MILLENNIUM PG-1 EF ECO ADHESIVE:							

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

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (Note 1, Note 12)	Base Insulation		Top Insulation		Roof Cover (Note 15)	MDP (psf)*[A]
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-10.	Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	M-PG1-EF-ECO	(Optional) Additional layers(s) of base insulation	M-PG1-EF-ECO	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-215.0
R-11.	Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	M-PG1-EF-ECO	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	M-PG1-EF-ECO	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-232.5
R-12.	Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	M-PG1-EF-ECO	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	M-PG1-EF-ECO	✓ BB-VB-432	-232.5
R-13.	Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	M-PG1-EF-ECO	Min. 0.25-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	M-PG1-EF-ECO	✓ BB-VB-432 ✓ FB-PG1-EF-ECO	-232.5
R-14.	Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	M-PG1-EF-ECO	0.5-inch ACFoam HD CoverBoard	M-PG1-EF-ECO	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-232.5
R-15.	Existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen	(Optional) Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3	M-PG1-EF-ECO	0.5-inch H-Shield HD	M-PG1-EF-ECO	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-232.5
INSULATION IN OLYBOND 500:							

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

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (Note 1, Note 12)	Base Insulation		Top Insulation		Roof Cover (Note 15)	MDP (psf)*[A]
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-16.	Existing asphaltic BUR or modified bitumen	Min. 1.0-inch Insulfoam IX	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-52.5
R-17.	Existing asphaltic BUR or modified bitumen	Min. 2.0-inch Insulfoam IX	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-120.0
R-18.	Existing asphaltic BUR or modified bitumen	Min. 1.5-inch ACFoam II	OB500	(Optional) Additional layers(s) of base insulation	OB500	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-120.0
R-19.	Existing asphaltic BUR or modified bitumen	(Optional) Min. 1.5-inch ACFoam II	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-120.0
R-20.	Existing asphaltic BUR or modified bitumen	(Optional) Min. 1.5-inch ACFoam II	OB500	0.5-inch ACFoam HD CoverBoard	OB500	✓ BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-120.0
R-21.	Existing asphaltic BUR or modified bitumen	(Optional) Min. 1.5-inch ACFoam II	OB500	0.5-inch H-Shield HD	OB500	✓ BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636 or FB-PG1-EF-ECO	-120.0
INSULATION IN ICP ADHESIVES POLYSET CRA:							
R-22.	Existing smooth-surface asphaltic BUR or smooth- or granule-surface modified bitumen	One or more layers, min. 1.5-inch Insulfoam IX	Polyset CRA	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-180.0
R-23.	Existing smooth-surface modified bitumen	Min. 1-inch Multi-Max FA3, UltraMax	Polyset CRA	(Optional) Additional layer(s) base of base insulation	Polyset CRA	✓ FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-222.5
R-24.	Existing smooth-surface modified bitumen	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	Polyset CRA	(Optional) Additional layer(s) base of base insulation	Polyset CRA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-222.5
R-25.	Existing smooth-surface modified bitumen	(Optional) Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Polyset CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-222.5
R-26.	Existing smooth-surface asphaltic BUR or granule-surface modified bitumen	Min. 1-inch Multi-Max FA3, UltraMax	Polyset CRA	(Optional) Additional layer(s) base of base insulation	Polyset CRA	✓ FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-250.0

TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER							
[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.							
System No.	**Substrate** (Note 1, Note 12)	**Base Insulation**		**Top Insulation**		**Roof Cover** (Note 15)	**MDP (psf)*[A]**
		Type	**Attach** (Notes 6,7,8)	**Type**	**Attach** (Notes 6,7,8)		
R-27.	Existing smooth-surface asphaltic BUR or granule-surface modified bitumen	(Optional) Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Polyset CRA	Min. 0.25-inch DensDeck Prime	Polyset CRA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA or FB-WBA-636	-257.5
R-28.	Existing smooth-surface asphaltic BUR	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	Polyset CRA	(Optional) Additional layer(s) base of base insulation	Polyset CRA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-262.5
R-29.	Existing smooth-surface asphaltic BUR	(Optional) Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA or FB-WBA-636	-262.5
R-30.	Existing smooth-surface asphaltic BUR	(Optional) Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Polyset CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	✓ FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-262.5
R-31.	Existing granule-surface modified bitumen	(Optional) Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Polyset CRA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA or FB-WBA-636	-267.5
R-32.	Existing granule-surface modified bitumen	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	Polyset CRA	(Optional) Additional layer(s) base of base insulation	Polyset CRA	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-270.0
R-33.	Existing granule-surface modified bitumen	(Optional) Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Polyset CRA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CRA	✓ FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-270.0
INSULATION IN ICP ADHESIVES POLYSET BOARD-MAX:							
R-34.	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 DensDeck or SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-180.0
R-35.	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	✓ FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-250.0
R-36.	Existing smooth-surface asphaltic BUR or granule-surface modified bitumen	(Optional) Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Polyset BOARD-MAX	Min. 0.5-inch DensDeck Prime	Polyset BOARD-MAX	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-232.5
R-37.	Existing smooth-surface asphaltic BUR	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	Polyset BOARD-MAX	(Optional) Additional layer(s) base of base insulation	Polyset BOARD-MAX	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-262.5

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

[A] The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (Note 1, Note 12)	Base Insulation		Top Insulation		Roof Cover (Note 15)	MDP (psf)*[A]
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-38.	Existing smooth-surface asphaltic BUR	(Optional) Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Polyset BOARD-MAX	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-262.5
R-39.	Existing granule-surface modified bitumen	(Optional) Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Polyset BOARD-MAX	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA or FB-WBA-636	-267.5
R-40.	Existing granule-surface modified bitumen	Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG	Polyset BOARD-MAX	(Optional) Additional layer(s) base of base insulation	Polyset BOARD-MAX	✓ BB-VB, BB-VB-432, BB-WBA or BB-WBA-636 ✓ FB-VB, FB-VB-432, FB-WBA, FB-WBA-636, FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-270.0
R-41.	Existing granule-surface modified bitumen	(Optional) Min. 1-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield, H-Shield CG, Multi-Max FA3 or UltraMax	Polyset BOARD-MAX	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Polyset BOARD-MAX	✓ FB-CRA, FB-PG1-LPS or FB-PG1-EF-ECO	-270.0

TABLE 7B: STEEL - RECOVER
SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER

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

System No.	Substrate (Note 1)	Insulation	Attachment			Roof Cover (Note 15B)	MDP (psf)
			Fasteners (Note 11)	Row Spacing (inch)	Fastener Spacing (inch)		
SFS ISOWELD INDUCTION WELD SYSTEMS:							
R-42.	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	60	12	IB PVC or IB PVC Single Ply or IB PVC Single Ply Chemguard induction welded with SFS *isoweld®* 3000 tool.	-45.0
R-43.	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	48	12	IB PVC or IB PVC Single Ply or IB PVC Single Ply Chemguard induction welded with SFS *isoweld®* 3000 tool.	-67.5
R-44.	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	60	6	IB PVC or IB PVC Single Ply or IB PVC Single Ply Chemguard induction welded with SFS *isoweld®* 3000 tool.	-90.0
R-45.	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	48	9	IB PVC or IB PVC Single Ply or IB PVC Single Ply Chemguard induction welded with SFS *isoweld®* 3000 tool.	-97.5
TRUFAST IW PVC PLATE INDUCTION WELD SYSTEMS:							

TABLE 7B: STEEL - RECOVER SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER *(All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin.)*							
System No.	**Substrate** (Note 1)	**Insulation**	**Attachment**			**Roof Cover** (Note 15B)	**MDP** (psf)
			Fasteners (Note 11)	**Row Spacing (inch)**	**Fastener Spacing (inch)**		
R-46.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.060-in.), 50 ksi steel purlins spaced **max. 60-inch o.c.**	One or more layers, any combination, min. 1.5-inch thick, prelim attach	Trufast #12 Purlin Fastener with Trufast IW PVC Plate fastened through to purlins	60	12	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-45.0
R-47.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.060-in.), 50 ksi steel purlins spaced **max. 48-inch o.c.**	One or more layers, any combination, min. 1.5-inch thick, prelim attach	Trufast #12 Purlin Fastener with Trufast IW PVC Plate fastened through to purlins	48	12	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-60.0
R-48.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.060-in.), 50 ksi steel purlins spaced **max. 72-inch o.c.**	One or more layers, any combination, min. 1.5-inch thick, prelim attach	Trufast #12 Purlin Fastener with Trufast IW PVC Plate fastened through to purlins	72	6	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-75.0
R-49.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.060-in.), 50 ksi steel purlins spaced **max. 36-inch o.c.**	One or more layers, any combination, min. 1.5-inch thick, prelim attach	Trufast #12 Purlin Fastener with Trufast IW PVC Plate fastened through to purlins	36	12	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-82.5
R-50.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.060-in.), 50 ksi steel purlins spaced **max. 60-inch o.c.**	One or more layers, any combination, min. 1.5-inch thick, prelim attach	Trufast #12 Purlin Fastener with Trufast IW PVC Plate fastened through to purlins	60	6	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-90.0
R-51.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.060-in.), 50 ksi steel purlins spaced **max. 48-inch o.c.**	One or more layers, any combination, min. 1.5-inch thick, prelim attach	Trufast #12 Purlin Fastener with Trufast IW PVC Plate fastened through to purlins	48	6	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-112.5
R-52.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.060-in.), 50 ksi steel purlins spaced **max. 36-inch o.c.**	One or more layers, any combination, min. 1.5-inch thick, prelim attach	Trufast #12 Purlin Fastener with Trufast IW PVC Plate fastened through to purlins	36	6	IB PVC Single Ply (min. 60-mil) or IB PVC Single Ply Chemguard induction welded with Trufast Induction Welding Tool and Magnets.	-150.0

TABLE 7C: 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-53.	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-54.	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-55.	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			
[A] The reported MDP documents the allowable maximum design pressure of the new roof cover when installed atop the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.			
System No.	**Substrate** (Note 1, Note 12)	**Roof Cover** (Note 15)	**MDP (psf)*[A]**
R-56.	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	FB-PG1, 12-inch o.c.	-67.5
R-57.	Existing fully adhered, smooth-surface APP modified bitumen roof	FB-CRA	-75.0
R-58.	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	FB-PG1, 6-inch o.c.	-112.5
R-59.	Existing mechanically fastened base sheet with fully adhered, granule-surface asphalt-built-up or granule-surface APP or SBS modified bitumen roof	FB-PG1, 6-inch o.c. or FB-CRA	-112.5
R-60.	Existing fully adhered, smooth-surface, asphalt built-up roof	FB-CRA	-222.5
R-61.	Existing fully adhered, granule-surface SBS or APP modified bitumen roof	FB-CRA	-250.0
R-62.	Existing fully adhered, smooth-surface asphalt built-up or smooth/sand-surface APP or SBS modified bitumen roof or granule-surface asphalt-built-up or granule-surface APP or SBS modified bitumen roof	FB-PG1-EF-ECO	-530.0