



NEMO|etc.

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ENGINEER

TEST

CONSULT

P.E. EVALUATION REPORT (PEER)

WEATHERBOND

P.O. Box 251
Plainfield, PA 17081
(717) 245-7264

PEER-WB-002.A.R5

FL18729-R5 (NON-HVHZ)

Date of Issuance: 10/13/2015

Revision 5: 10/07/2024

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, and the [Third-Party Evaluation Report](#) acceptance by the Texas Department of Insurance. The documentation submitted has been reviewed by Robert Nieminen, P.E. for compliance with the **8th Edition (2023) Florida Building Code and 2018 International Building Code** [sections noted herein](#).

DESCRIPTION: WeatherBond PVC Roof Systems (NON-HVHZ)

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

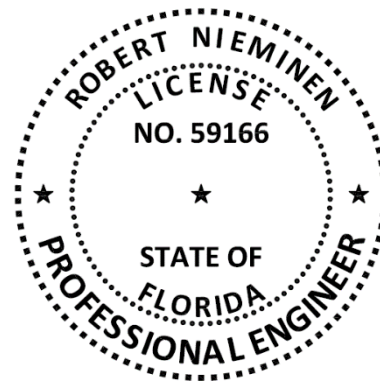
CONTINUED COMPLIANCE: This PEER is valid until such time as the named product(s) changes, the referenced Quality Assurance or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our PEERs by the named client constitutes agreement to notify NEMO 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 done 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 4, plus 81-pages of Appendix.

Prepared by:



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. Robert Nieminen, P.E. is also Registered in the State of Texas; PE-96420.
6. 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.

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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: **WeatherBond PVC Roof Systems**, as produced by **WEATHERBOND**, have demonstrated compliance with the following sections of the referenced Building Codes through testing in accordance with the following Standards. Compliance is subject to the [Installation Requirements](#) and [Limitations of Use](#) set forth herein.

2. STANDARDS:

CODE	SECTION	PROPERTY	STANDARD
2023 Florida Building Code	1504.3.1	Wind resistance	FM 4474
	1504.6	Physical properties	ASTM G154
	1504.7	Impact resistance	FM 4470
	1507.11.2	Material standard	ASTM D6163, D6164
	1507.12.2	Material standard	ASTM D4434
2018 International Building Code	1504.3.1	Wind resistance	FM 4474
	1504.6	Physical properties	ASTM G154
	1504.7	Impact resistance	FM 4470, Section 4.6
	1507.11.2	Material standard	ASTM D6163, D6164
	1507.13.2	Material standard	ASTM D4434

3. REFERENCES:

Entity	Examination	Reference	Date
NEMO	PEER	PEER-CRL-002.A.R24	09/25/2024
NEMO	Cross-Listing	FBC PCL	11/02/2023
UL, LLC. (QUA9625)	Traceability	ML R9853	07/19/2017
UL, LLC. (QUA9625)	Quality Assurance	Service Confirmation	07/06/2022
UL, LLC. (QUA9625)	Quality Assurance	Florida BCIS	Current

4. PRODUCT DESCRIPTION:

This PEER covers **WeatherBond PVC Roof Systems** installed in accordance with **WEATHERBOND** published installation instructions and the [Limitations of Use](#) herein.

TABLE 1: EVALUATED MEMBRANES						
TYPE	PRODUCT		MATERIAL STANDARD			PLANT(s)
			REFERENCE	TYPE	GRADE	
ROOF COVER OR CAP PLY	WeatherBond PVC	50, 60, 80-mil	ASTM D4434	III	N/A	IL
	WeatherBond PVC FRS	60, 80-mil	ASTM D4434	II	N/A	NJ
	WeatherBond KEE HP	50, 60, 80-mil	ASTM D4434	III	N/A	IL
	WeatherBond PVC Fleece	60, 80-mil	ASTM D4434	III	N/A	IL
	WeatherBond KEE HP Fleece	50, 60, 80-mil	ASTM D4434	III	N/A	IL
BASE PLY OR VAPOR BARRIER MEMBRANES	SureMB 90 Base		ASTM D6163	I	S	TX
	SureMB 90TG Base		ASTM D6163	I	S	TX
	SureMB 120TG Base		ASTM D6163	I	S	TX
	SureMB 90 Poly Base		ASTM D6164	I	S	TX
	SureMB 120 Poly Base		ASTM D6164	I	S	TX

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 not for use in FBC High Velocity Hurricane Zone jurisdictions, as defined in FBC Chapter 2 (Broward and Miami-Dade Counties).
- 5.3 This PEER pertains to above-deck roof components. Roof decks and structural members shall be in accordance with requirements of the applicable Code to the satisfaction of the Authority Having Jurisdiction.
- 5.4 This PEER does not include evaluation of fire classification. Refer to **FBC or IBC 1505** for requirements and limitations regarding roof assembly fire classification. Refer to **FBC or IBC 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 **FBC or IBC 1504.5** for requirements and limitations regarding edge securement for low-slope roofs.
- 5.6 Refer to **FBC or IBC 1511** 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 [ANSI/SPRI FX-1](#) or [Testing Application Standard TAS 105](#).
- 5.6.2 For bonded insulation or membrane over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with [ANSI/SPRI IA-1](#), [ASTM E907](#), [FM Loss Prevention Data Sheet 1-52](#) or [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 [ASTM E907](#), [FM Loss Prevention Data Sheet 1-52](#) or [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 **FBC or IBC 1504.9** has already been applied). Refer to **FBC or IBC 1609** for determination of design wind loads.
- 5.7.2 For mechanically attached components or partially-bonded insulation, the maximum design pressure for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with **FBC or IBC Chapter 16**. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are [ANSI/SPRI WD1](#), [FM Loss Prevention Data Sheet 1-29](#), [Roofing Application Standard RAS 117](#) or [RAS 137](#). Assemblies marked with an asterisk* carry the limitations set forth in **Section 2.2.10.1 of FM Loss Prevention Data Sheet 1-29 (February 2020)** for Zone 2/3 enhancements.
- 5.7.3 For assemblies with all components fully bonded in place, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with **FBC or IBC Chapter 16**. No rational analysis is permitted for these systems.

- 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:

WeatherBond PVC Roof Systems shall be installed in accordance with **WEATHERBOND** 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 LLC – QUA9625](#); (360) 817-5512; bsai.inspections@ul.com

- THE 81-PAGES THAT FOLLOW FORM PART OF THIS PEER -

APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE

TABLE	DECK	APPLICATION	TYPE	DESCRIPTION	PAGE
1A	Wood	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	9
1B	Wood	New, Reroof (Tear-Off), Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	11
1C	Wood	New, Reroof (Tear-Off), Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Base Ply, Bonded Roof Cover	13
1D	Wood	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	13
1E	Wood	New, Reroof (Tear-Off), Recover	C-2	Induction Welded Roof Cover	18
1F	Wood	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover	18
2A	Steel	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	20
2B	Steel or Structural Concrete	New, Reroof (Tear-Off), Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	21
2C	Steel or Structural Concrete	New, Reroof (Tear-Off), Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Base Ply, Bonded Roof Cover	31
2D	Steel	New, Reroof (Tear-Off), Recover	B-2	Mechanically Attached Thermal Barrier, Bonded Vapor Barrier, Bonded Insulation, Bonded Roof Cover	31
2E	Steel or Structural Concrete	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	35
2F	Steel	New, Reroof (Tear-Off), Recover	C-2	Induction Welded Roof Cover	47
2G	Steel or Structural Concrete	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover	49
3A	Structural Concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	53
3B	Structural Concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Base Ply, Bonded Roof Cover	62
3C	Structural Concrete	New, Reroof (Tear-Off), Recover	C-2	Induction Welded Roof Cover	62
3D	Structural Concrete	New, Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	63
4A	Deck with Lightweight concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	64
4B	Deck with Lightweight concrete	New, Reroof (Tear-Off)	F	LWC to Deck, Bonded Roof Cover	68
4C	Deck with Lightweight concrete	New, Reroof (Tear-Off)	F	LWC to Deck, Bonded Roof Cover	72
5A	Various	Recover	A-1	Bonded Insulation, Bonded Roof Cover	73
5B	Various	Recover	A-1	Bonded Insulation, Bonded Base Ply, Bonded Roof Cover	78
5C	Steel	Recover	C-2	Induction Welded Roof Cover	79
5D	Steel	Recover	D-1	Insulated, Mechanically Attached Roof Cover	80
5E	Various	Recover	F	Non-Insulated, Bonded Roof Cover	81

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 or IBC requirements to the satisfaction of the Authority Having Jurisdiction.
 - As-tested roof cover performance in accordance with FM 4474 and TAS 114, Appendix J indicates min. 22 ga., Type B, Grade 40 steel deck at max. 6 ft spans attached with 5/8-inch diameter puddle welds spaced 6" o.c., with deck side laps secured max. 24" o.c. w/ ¼"-14x1" long self-tapping hex-head screws, may be used for roof assemblies over steel deck up to a maximum design pressure of -60.0 psf. This does not preclude Note 1 above.

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

FASTENER/PLATE OPTIONS			
DECK TYPE	BY	PARTS	MINIMUM ENGAGEMENT
WOOD	WeatherBond	HPW Fastener with Insulation Fastening Plate	Minimum ¾-inch plywood penetration or minimum 1-inch wood plank embedment
STEEL		HPW Fastener with Insulation Fastening Plate	Minimum ¾-inch steel penetration and engage the top flute of the steel deck
STRUCTURAL CONCRETE		HD 14-10 Fastener or CD-10 with Insulation Fastening Plate	Minimum 1-inch embedment. Fastener installed with a pilot hole in accordance with the fastener manufacturer's published installation instructions

- 3 Unless otherwise noted, insulation may be any one layer or combination of FBC or IBC Approved (Local or Statewide) board(s) that meet FBC or IBC 1505 and, for foam plastic, FBC or IBC Chapter 26, when installed with the roof cover.
- 4 Minimum 200 psi, minimum 2-inch thick FBC or IBC Approved lightweight insulating concrete may be substituted for rigid insulation board for System Types B-1, C-1, C-2, D-1 or D-2, whereby fasteners are installed through the lightweight insulating concrete to engage the structural deck. The structural deck shall be of equal or greater type, thickness and strength to the steel and structural concrete deck listings. Roof decks and structural members shall be in accordance with FBC or IBC requirements to the satisfaction of the Authority Having Jurisdiction. This is a wind uplift resistance allowance and does not purport to address non-wind-uplift-related issues, such as deck venting or moisture levels within the LWIC and the potential effect on overlying components.
- 5 Preliminary insulation attachment:
- 5A Unless otherwise noted, use Approved roofing fasteners and plates; minimum two (2) parts per 4x4-ft board, minimum four (4) parts per 4x8-ft board or minimum six (6) parts 4x12-ft board.
- 5B For systems where a vapor barrier is installed, refer to Section 2.2.10.1.3 of [FM Loss Prevention Data Sheet](#) 1-29. For 4x12-ft boards, increase preliminary attachment requirements proportionally relative to FM LPDS 1-29 requirements for 4x8-ft boards.
- 5C For systems where no vapor barrier is installed, WeatherBond Insulation Fastener may be used in place of HPW Fastener for preliminary attachment purposes over wood and steel deck.
- 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.
 - 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.
 - "FULL" or "SPATTER" applications may be used wherever "RIBBON" is referenced for insulation securement, except direct-to-steel-deck applications, where ribbons at the top flanges are required..

INSULATION ADHESIVE REFERENCES			
ADHESIVE	METHOD	REFERENCE	MINIMUM RATE
Flexible DASH	full-coverage	Flexible DASH (FULL)	Continuous ribbons, 4-inch o.c. or spray-applied at 1 gal./square
Flexible DASH	splatter-applied	Flexible DASH (SPATTER)	Splatter-applied at 0.5 gal/square (wet) = 4.7 lb/square (dry)
Flexible DASH	ribbon-applied	Flexible DASH (RIBBON)	Continuous ribbons, 12-inch o.c.
Flexible DASH Dual-Tank	full-coverage	Flexible DASH DT (FULL)	Continuous ribbons, 4-inch o.c. or spray-applied at 1 gal./square
Flexible DASH Dual-Tank	splatter-applied	Flexible DASH DT (SPATTER)	Splatter-applied at 0.4 gal/square (wet) = 3.7 lb/square (dry)
Flexible DASH Dual-Tank	ribbon-applied	Flexible DASH DT (RIBBON)	Continuous ribbons, 12-inch o.c.
WeatherBond OlyBond 500 BA	ribbon-applied	OB500	Continuous 0.75-inch wide ribbons, 12-inch o.c. (PaceCart, SpotShot or Canister)

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

MDP LIMITATIONS FOR TAPERED POLYISOCYANURATE INSULATIONS				
ADHESIVE	INSULATION		MIN. TAPERED THICKNESS (IN)	MDP (psf)
	LISTED PRODUCT	FBC FILE		
Flexible DASH	Any polyisocyanurate listed with adhesive herein	Various	0.5	-157.5
OB500	Any polyisocyanurate listed with adhesive herein	Various	0.5	-187.5

- 8 For adhered roof insulation and board-size: Unless otherwise noted, refer to Section 2.2.10.6.2 of [FM Loss Prevention Data Sheet](#) 1-29.
- 9 For mechanically attached components or partially-bonded insulation, the maximum design pressure for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with FBC or IBC Chapter 16. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are [ANSI/SPRI](#) WD1, [FM Loss Prevention Data Sheet](#) 1-29, [Roofing Application Standard](#) RAS 117 and RAS 137. Assemblies marked with an asterisk* carry the limitations set forth in Section 2.2.10.1 of [FM Loss Prevention Data Sheet](#) 1-29 for Zone 2/3 enhancements.
- 10 For assemblies with all components fully bonded, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with FBC or IBC Chapter 16. No rational analysis is permitted for these systems.
- 11 For mechanically attached components over existing decks, fasteners shall be tested in the existing deck for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing and analysis shall be in accordance with [ANSI/SPRI](#) FX-1 or [Testing Application Standard](#) TAS 105.
- 12 For bonded insulation or membrane over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing shall be conducted on mock-ups of the proposed new roof assembly. For bonded insulation or membrane over existing substrates in a recover installation, the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing. Field uplift testing shall be in accordance with ASTM E907, [FM Loss Prevention Data Sheet](#) 1-52 or [Testing Application Standard](#) TAS 124.
- 13 Refer to FBC or IBC 1511 for requirements and limitations regarding recover installations. For Structural Concrete Deck or Recover Applications using System Type C-1 the base insulation layer is optional and for System Type C-2, D-1 or D-2, the insulation is optional. Alternatively, an FBC or IBC 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 or IBC 1505 and, for foam plastic, FBC or IBC Chapter 26, when installed with the roof cover in Recover applications.
- 14 Lightweight insulating concrete (LWIC) shall be cast in accordance with FBC Section 1917 to the satisfaction of the Authority Having Jurisdiction. For systems where specific LWIC is referenced, refer to current LWIC Product Approval for specific deck construction and limitations. Unless otherwise noted, for systems where specific LWIC is not referenced, the minimum design mix shall be 300 psi. In all cases, the minimum top-coat thickness is 2-inches. For LWIC over structural concrete, reference is made to FBC Section 1917.4.1, Point 1. For "pre-existent" LWIC references, listings were established through testing over lightweight concrete cast using only foaming agent (ASTM C896), water and Portland cement (ASTM C150), with no proprietary additives, in accordance with procedures adopted by Miami-Dade BCCO (FBC CER1592). Use of these listings in new construction or re-roof (tear-off) applications is at the discretion of the Designer or Record and Authority Having Jurisdiction.

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

MEMBRANE / ADHESIVE COMBINATIONS			
MEMBRANE	ADHESIVE	APPLICATION	RATE
WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC Bonding Adhesive	Contact (both sides)	0.83 gal/square per surface [(1.66 gal/square (60 ft ² /gal) finish]
WeatherBond PVC or WeatherBond PVC FRS	Aqua Base 120 Bonding Adhesive	Contact (both sides)	0.42 to 0.5 gal/square per surface [(0.83 to 1.0 gal/square (100 to 120 ft ² /gal) finish]
WeatherBond PVC or WeatherBond PVC FRS	HydroBond Water-Based PVC BA (HydroBond WB)	Wet lay (substrate)	0.75 to 1 gal/square (100 to 133 ft ² /gal)
WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	Contact (both sides)	3.0 lb/square per surface (~800 ft ² /standard cylinder per finished surface)
WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Aqua Base 120 Bonding Adhesive	Wet lay (substrate)	0.83 gal/square (120 ft ² /gal)
WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	HydroBond Water-Based Adhesive (HydroBond WB)	Wet lay (substrate)	0.75 to 1 gal/square (100 to 133 ft ² /gal)
WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	DASH, DASH Dual-Tank (DT)	Wet lay (substrate)	RIBBON spaced as noted herein or FULL = 1 gal/square or continuous ribbons, maximum 4-inch o.c.
WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH	Wet lay (substrate)	RIBBON spaced as noted herein or FULL Coverage = 1 gal/square or continuous ribbons, maximum 4-inch o.c. or splatter-applied at 0.5 gal/square (wet) = 4.7 lb/square (dry)
WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH Dual-Tank (DT)	Wet lay (substrate)	RIBBON spaced as noted herein or FULL Coverage = 1 gal/square; continuous ribbons, max. 4-inch o.c. or splatter-applied at 0.4 gal/square (wet) = 3.7 lb/square (dry)

- 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.
- 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.
- 15C For System Types A-1, B-1, B-2, B-3 or C-1 involving WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP adhered in Low VOC PVC Bonding Adhesive over XP Polyiso, XFP Polyiso, XFP HD or XFP HD Plus, the top insulation layer may be optionally primed with Detec Systems "TruGround Conductive Primer", roller-applied at 0.4 gal/square prior to membrane installation.
- 15D For System Types C-2, D-1 or D-2, the top insulation layer may be optionally primed with Detec Systems "TruGround Conductive Primer", roller-applied at 0.4 gal/square prior to membrane installation. For System Type C-2, do not contaminate the induction weld stress plate with primer.

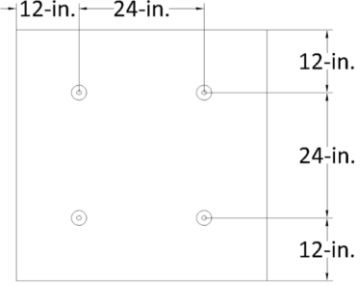
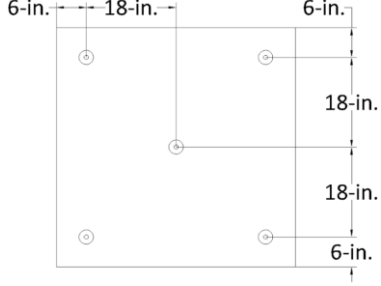
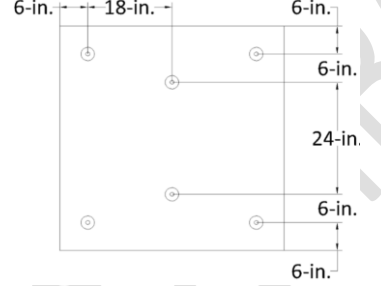
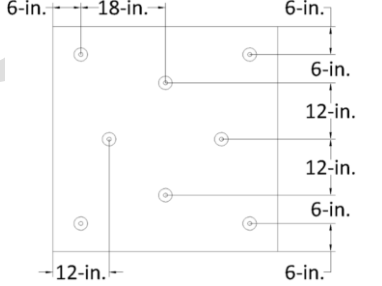
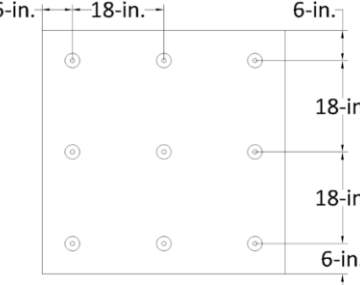
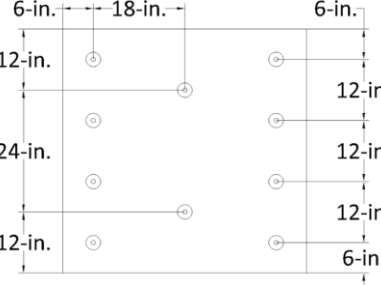
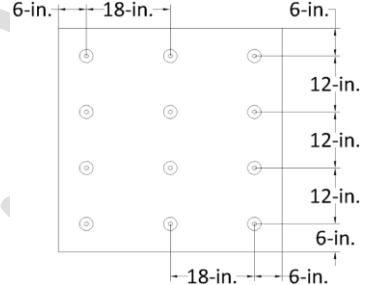
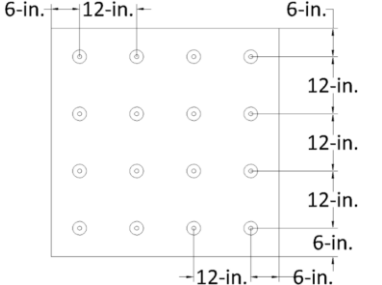
16 **Thermal Barrier and/or Vapor Barrier Options:**

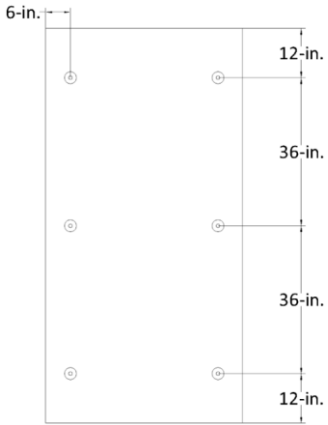
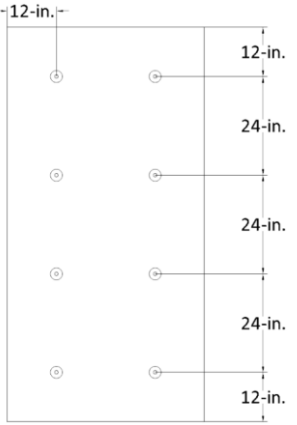
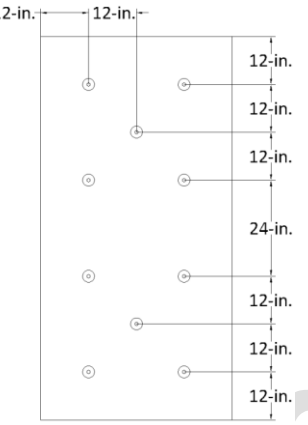
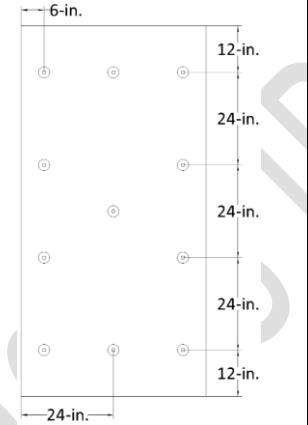
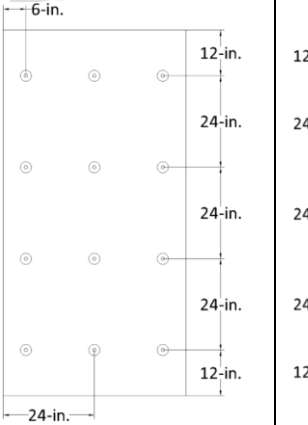
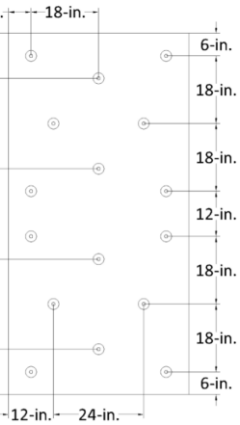
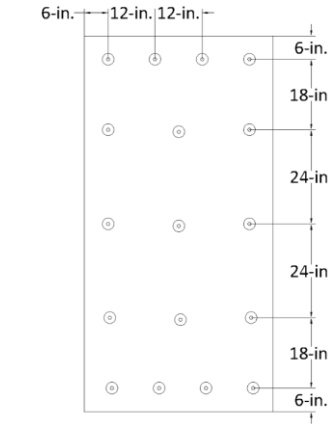
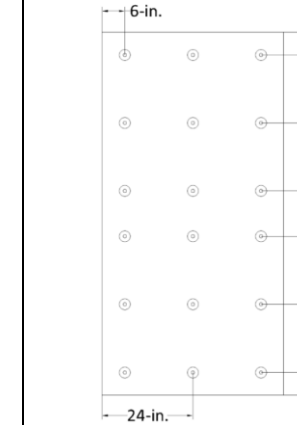
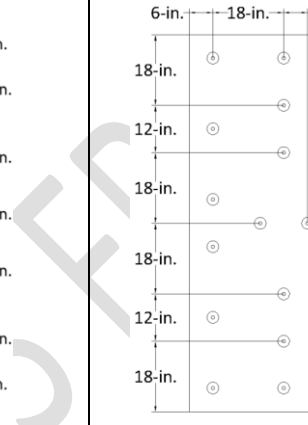
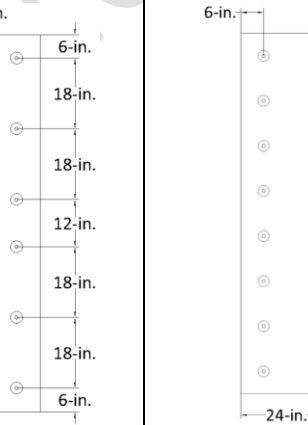
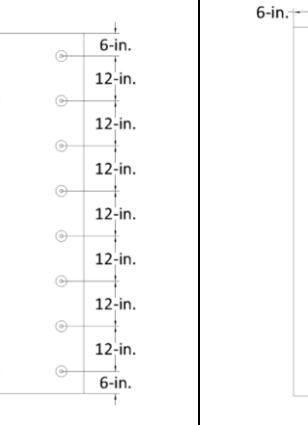
16A **Structural Concrete Decks:** The lesser of the MDP listings below vs. that for the selected assembly applies.

STRUCTURAL CONCRETE DECK: VAPOR BARRIER FOLLOWED BY ADHESIVE-APPLIED INSULATION					
OPTION #	PRIMER	VAPOR BARRIER		INSULATION ADHESIVE PER TABLE 3A OR 3B (NOTES 6,7&8)	MDP (psf)*
		TYPE	APPLICATION		
C-VB-1.	702 Primer, 702 LV Primer, CAV-GRIP Primer or CAV-GRIP III LVOC-AP	VapAir Seal 725TR	Self-adhering	Flexible DASH (RIBBON)	-157.5
C-VB-2.	702 Primer, 702 LV Primer, CAV-GRIP Primer or CAV-GRIP III LVOC-AP	VapAir Seal 725TR	Self-adhering	Flexible DASH DT (RIBBON)	-172.5
C-VB-3.	702 Primer, 702 LV Primer, CAV-GRIP Primer or CAV-GRIP III LVOC-AP	VapAir Seal 725TR	Self-adhering	Flexible DASH (RIBBON, 6-inch o.c. or SPLATTER) or Flexible DASH DT (RIBBON, 6-inch o.c. or SPLATTER)	-270.0
C-VB-4.	CAV-GRIP Primer or CAV-GRIP III LVOC-AP	VapAir Seal 725TR	Self-adhering	Flexible DASH (FULL COVERAGE, 1 gal/square), Flexible DASH (SPLATTER) or Flexible DASH DT (SPLATTER)	-427.5
C-VB-5.	ASTM D41	SureMB 90 Base, SureMB 90 Poly Base or SureMB 120 Poly Base	Hot-asphalt	Hot asphalt at 25 lbs/square	-172.5
C-VB-6.	ASTM D41	SureMB 90TG or 120TG Base	Torch-applied	Hot asphalt at 25 lbs/square	-180.0
C-VB-7.	None	SureMB 90 Base, SureMB 90 Poly Base or SureMB 120 Poly Base	Cold Applied Adhesive, 1-inch ribbons, 12-inch o.c.	Flexible DASH (RIBBON) or Flexible DASH DT (RIBBON)	-180.0
C-VB-8.	None	SureMB 90 Base, SureMB 90 Poly Base or SureMB 120 Poly Base	Cold Applied Adhesive, 1-inch ribbons, 6-inch o.c.	Flexible DASH (RIBBON, 6-inch o.c. or SPLATTER) or Flexible DASH DT (RIBBON, 6-inch o.c. or SPLATTER)	-255.0
C-VB-9.	ASTM D41	SureMB 90TG or 120TG Base	Torch-applied	Flexible DASH (RIBBON) or Flexible DASH DT (RIBBON)	-307.5
C-VB-10.	ASTM D41	SureMB 90TG or 120TG Base	Torch-applied	Flexible DASH (RIBBON, 6-inch o.c. or SPLATTER) or Flexible DASH DT (RIBBON, 6-inch o.c. or SPLATTER)	-495.0
C-VB-11.	CAV-GRIP III Adhesive/Primer at 0.33 gal/square	SureMB 70 SA Base Ply	Self-adhering	Flexible DASH (RIBBON) or Flexible DASH DT (RIBBON)	-142.5
C-VB-12.	CAV-GRIP III Adhesive/Primer at 0.33 gal/square	SureMB 70 SA Base Ply	Self-adhering	Flexible DASH (RIBBON, 6-inch o.c. or SPLATTER) or Flexible DASH DT (RIBBON, 6-inch o.c. or SPLATTER)	-255.0

16B For System Types B-1, B-2, C-1, C-2, D-1 or D-2, VapAir Seal 725TR or VapAir Seal MD may be installed atop the roof deck prior to installation of the insulation and roof cover. Refer to [FM Loss Prevention Data Sheet](#) 1-29 for design and installation limitations.

17 Unless otherwise noted, insulation or coverboard attachment patterns for Type B-1, Type B-2 and Type C-1 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 1.3 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 2.9 ft² (11 per board)	 1 per 2.7 ft² (12 per board)	 1 per 2.0 ft² (16 per board)
 1 per 1.9 ft² (17 per board)	 1 per 1.8 ft² (18 per board)	 1 per 1.6 ft² (20 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	By	LISTED PRODUCT HEREIN	ALTERNATE	FBC FILE
ADHESIVES	WeatherBond	OB500	OMG OlyBond 500 Adhesive Fastener	FL1608
ROOFING INSULATION	WeatherBond	XP Polyiso	XP Polyiso NH, H-Shield, H-Shield NH	FL5968
		XFP Polyiso	XFP Polyiso NH, H-Shield CG, H-Shield CG NH	
		XFP HD	XFP HD NH, H-Shield HD, H-Shield HD NH	
		XFP HD Plus	XFP HD Plus NH, H-Shield HD90, H-Shield HD90 NH	
		XFP HD Composite	H-Shield HD Composite	
		XP-NB Polyiso	H-Shield NB	
	Georgia-Pacific Gypsum, LLC	DensDeck Prime	DensDeck StormX Prime Roof Board	FL1250

19 “MDP” = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads. Refer to FBC or IBC 1609 for determination of design wind loads. ([Note 9](#) and [Note 10](#))

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

System No.	Deck (Note 1)	Vapor Barrier	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
BAREBACK MEMBRANE APPLICATIONS:									
W-1.	7/16-inch APA rated OSB; 2 ft span	None	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-45.0*
W-2.	7/16-inch APA rated OSB; 2 ft span	None	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH, min. 1.5-inch XFP HD Composite or min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-45.0*
W-3.	Min. 15/32-inch APR rated CDX plywood; 2 ft span	None	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-67.5
W-4.	Min. 15/32-inch APR rated CDX plywood; 2 ft span	None	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH, min. 1.5-inch XFP HD Composite or min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-67.5
W-5.	7/16-inch APA rated OSB; 2 ft span	None	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	HydoBond WB	-45.0*
W-6.	7/16-inch APA rated OSB; 2 ft span	None	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH, min. 1.5-inch XFP HD Composite or min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	HydoBond WB	-45.0*
W-7.	Min. 15/32-inch APR rated CDX plywood; 2 ft span	None	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	HydoBond WB	-67.5

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

System No.	Deck (Note 1)	Vapor Barrier	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
W-8.	Min. 15/32-inch APR rated CDX plywood; 2 ft span	None	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH, min. 1.5-inch XFP HD Composite or min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	HydoBond WB	-67.5
W-9.	7/16-inch APA rated OSB; 2 ft span	None	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-45.0*
W-10.	7/16-inch APA rated OSB; 2 ft span	None	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH, min. 1.5-inch XFP HD Composite or min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-45.0*
W-11.	Min. 15/32-inch APR rated CDX plywood; 2 ft span	None	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-67.5
W-12.	Min. 15/32-inch APR rated CDX plywood; 2 ft span	None	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH, min. 1.5-inch XFP HD Composite or min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-67.5
FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):									
W-13.	7/16-inch APA rated OSB; 2 ft span	None	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
W-14.	7/16-inch APA rated OSB; 2 ft span	None	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH, min. 1.5-inch XFP HD Composite or min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*

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

System No.	Deck (Note 1)	Vapor Barrier	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
W-15.	Min. 15/32-inch APR rated CDX plywood; 2 ft span	None	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-67.5
W-16.	Min. 15/32-inch APR rated CDX plywood; 2 ft span	None	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH, min. 1.5-inch XFP HD Composite or min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-67.5

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
BAREBACK APPLICATIONS:								
W-17.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch XP Polyiso, H-Shield, XFP Polyiso or H-Shield CG	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.7 ft²	Additional layer(s), min. 1.5-inch base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS in CAV-GRIP PVC Adhesive, HydroBond WB or Low VOC PVC BA or WeatherBond KEE HP in Low VOC PVC BA	-37.5
W-18.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch XP Polyiso, H-Shield, XFP Polyiso or H-Shield CG	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.7 ft²	<u>Insulation</u> : (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH, min. 1.5-inch XFP HD Composite or min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS in CAV-GRIP PVC Adhesive, HydroBond WB or Low VOC PVC BA or WeatherBond KEE HP in Low VOC PVC BA	-37.5
W-19.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch XP Polyiso, H-Shield, XFP Polyiso or H-Shield CG	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.0 ft²	Additional layer(s), min. 1.5-inch base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS in CAV-GRIP PVC Adhesive, HydroBond WB or Low VOC PVC BA or WeatherBond KEE HP in Low VOC PVC BA	-60.0

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2 , Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
W-20.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch XP Polyiso, H-Shield, XFP Polyiso or H-Shield CG	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH, min. 1.5-inch XFP HD Composite or min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS in CAV-GRIP PVC Adhesive, HydroBond WB or Low VOC PVC BA or WeatherBond KEE HP in Low VOC PVC BA	-60.0
FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):								
W-21.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch XP Polyiso, H-Shield, XFP Polyiso or H-Shield CG	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.7 ft ²	Additional layer(s), min. 1.5-inch base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-37.5
W-22.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch XP Polyiso, H-Shield, XFP Polyiso or H-Shield CG	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.7 ft ²	<u>Insulation</u> : (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or min. 1.5-inch XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-37.5
W-23.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch XP Polyiso, H-Shield, XFP Polyiso or H-Shield CG	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard</u> : Min. 0.5-inch XFP HD or XFP HD Plus	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-60.0
FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):								
W-24.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch XP Polyiso, H-Shield, XFP Polyiso or H-Shield CG	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.7 ft ²	Additional layer(s), min. 1.5-inch base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-37.5
W-25.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch XP Polyiso, H-Shield, XFP Polyiso or H-Shield CG	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.7 ft ²	<u>Insulation</u> : (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH, min. 1.5-inch XFP HD Composite or min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-37.5
W-26.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch XP Polyiso, H-Shield, XFP Polyiso or H-Shield CG	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.0 ft ²	Additional layer(s), min. 1.5-inch base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-60.0

TABLE 1B: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER								
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2 , Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
W-27.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch XP Polyiso, H-Shield, XFP Polyiso or H-Shield CG	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECURLOCK Gypsum-Fiber Roof Board, min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH, min. 1.5-inch XFP HD Composite or min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-60.0

TABLE 1c: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER									
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED BASE PLY, BONDED ROOF COVER									
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):									
W-28.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch XP Polyiso, H-Shield, XFP Polyiso or H-Shield CG	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.7 ft²	Insulation: (Optional) Additional layer(s), min. 1.5-inch base insulation Coverboard: Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-37.5
W-29.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch XP Polyiso, H-Shield, XFP Polyiso or H-Shield CG	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.0 ft²	Insulation: (Optional) Additional layer(s), min. 1.5-inch base insulation Coverboard: Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-60.0

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2, Note 11)	Attach (Note 17)		
BAREBACK APPLICATIONS:							
W-30.	Min. 19/32-inch CDX plywood or wood plank; 2 ft span	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch XFP HD, XFP HD Plus	WeatherBond Insulation Fastener with SecurFast Insulation Fastening Plate	1 per 2.0 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-30.0
W-31.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 2-inch XP Polyiso, H-Shield, XFP Polyiso, H-Shield CG, XFP HD Composite or H-Shield HD Composite	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.7 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-37.5
W-32.	Min. 19/32-inch CDX plywood or wood plank; 2 ft span	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch XFP HD, XFP HD Plus	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.0 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-37.5
W-33.	Min. 19/32-inch CDX plywood or wood plank; 2 ft span	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 4.0 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-45.0*
W-34.	Min. 19/32-inch CDX plywood or wood plank; 2 ft span	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or Carlisle EcoStorm VSH	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 4.0 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-45.0*
W-35.	Min. 19/32-inch CDX plywood or wood plank; 2 ft span	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or Carlisle EcoStorm VSH	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.7 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-45.0
W-36.	Min. 23/32-inch plywood	(Optional) One or more layers	Min. 1.5-inch XP Polyiso, XFP Polyiso	Note 2	1 per 2.0 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-45.0*
W-37.	Min. 23/32-inch plywood	Min. 1.0-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.0 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-45.0*
W-38.	Min. 23/32-inch plywood	(Optional) One or more layers	Min. 1-inch XP Polyiso, XFP Polyiso	Note 2	1 per 1.6 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-45.0*
W-39.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 2-inch XP Polyiso, H-Shield, XFP Polyiso, H-Shield CG, XFP HD Composite or H-Shield HD Composite	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.0 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-60.0
W-40.	Min. 19/32-inch CDX plywood or wood plank; 2 ft span	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or Carlisle EcoStorm VSH	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.0 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-60.0

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2, Note 11)	Attach (Note 17)		
W-41.	Min. 19/32-inch CDX plywood or wood plank; 2 ft span	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or Carlisle EcoStorm VSH	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 1.8 ft ²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-67.5
W-42.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch XFP HD, XFP HD Plus	WeatherBond Insulation Fastener with SecurFast Insulation Fastening Plate	1 per 2.0 ft ²	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP in Low VOC PVC BA	-30.0
W-43.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 2-inch XP Polyiso, H-Shield, XFP Polyiso, H-Shield CG, XFP HD Composite or H-Shield HD Composite	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.7 ft ²	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-37.5
W-44.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch XFP HD, XFP HD Plus	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.0 ft ²	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP in Low VOC PVC BA	-37.5
W-45.	Min. 23/32-inch plywood	Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Min. 0.5-inch HP Recovery Board	Note 2	1 per 1.6 ft ²	WeatherBond PVC or WeatherBond PVC FRS / Aquabase 120 Water Based BA	-37.5*
W-46.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 4.0 ft ²	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-45.0*
W-47.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or Carlisle EcoStorm VSH	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 4.0 ft ²	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP in Low VOC PVC BA	-45.0*
W-48.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.7 ft ²	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-45.0
W-49.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or Carlisle EcoStorm VSH	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.7 ft ²	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP in Low VOC PVC BA	-45.0
W-50.	Min. 23/32-inch plywood	(Optional) One or more layers	Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Note 2	1 per 2.0 ft ²	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-45.0*
W-51.	Min. 23/32-inch plywood	Min. 1.0-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Min. 0.5-inch HP Recovery Board	Note 2	1 per 2.0 ft ²	WeatherBond PVC or WeatherBond PVC FRS / Low VOC PVC BA	-45.0*

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2, Note 11)	Attach (Note 17)		
W-52.	Min. 23/32-inch plywood	Min. 1.0-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.0 ft ²	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-45.0*
W-53.	Min. 23/32-inch plywood	Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Min. 0.25-inch DensDeck Prime	Note 2	1 per 1.6 ft ²	WeatherBond PVC or WeatherBond PVC FRS / Aquabase 120 Water Based BA	-45.0*
W-54.	Min. 23/32-inch plywood	(Optional) One or more layers	Min. 1-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Note 2	1 per 1.6 ft ²	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-45.0*
W-55.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 2-inch XP Polyiso, H-Shield, XFP Polyiso, H-Shield CG, XFP HD Composite or H-Shield HD Composite	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.0 ft ²	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-60.0
W-56.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.0 ft ²	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-60.0
W-57.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or Carlisle EcoStorm VSH	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.0 ft ²	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP in Low VOC PVC BA	-60.0
W-58.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 1.8 ft ²	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-67.5
W-59.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or Carlisle EcoStorm VSH	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 1.8 ft ²	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP in Low VOC PVC BA	-67.5
FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):							
W-60.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	WeatherBond Insulation Fastener with SecurFast Insulation Fastening Plate	1 per 2.0 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-30.0
W-61.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 2-inch XP Polyiso, H-Shield, XFP Polyiso, H-Shield CG, XFP HD Composite or H-Shield HD Composite	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.7 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-37.5

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2, Note 11)	Attach (Note 17)		
W-62.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.0 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-37.5
W-63.	Min. 23/32-inch plywood	(Optional) One or more layers	Min. 1.5-inch XP Polyiso, XFP Polyiso	Note 2	1 per 2.0 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH (FULL), Flexible DASH DT (FULL) or HydroBond WB	-45.0*
W-64.	Min. 23/32-inch plywood	(Optional) One or more layers	Min. 1-inch XP Polyiso, XFP Polyiso	Note 2	1 per 1.6 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH (FULL), Flexible DASH DT (FULL) or HydroBond WB	-45.0*
W-65.	Min. 23/32-inch plywood	Min. 1.0-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or AC Foam II	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.0 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH (FULL), Flexible DASH DT (FULL) or HydroBond WB	-45.0*
W-66.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 4.0 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
W-67.	Min. 23/32-inch plywood	(Optional) One or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 3.2 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
W-68.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.7 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0
W-69.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 2-inch XP Polyiso, H-Shield, XFP Polyiso, H-Shield CG, XFP HD Composite or H-Shield HD Composite	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.0 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-60.0
W-70.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.0 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-60.0
W-71.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 1.8 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-67.5
W-72.	Min. 19/32-inch CDX plywood or wood plank at max. 2-ft span	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.0 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-75.0

TABLE 1E: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER

System No.	Deck (Note 1)	Insulation Layer(s) (Note 3, Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Density / Pattern		
RHINO BOND SYSTEMS:						
W-73.	Min. 15/32-inch plywood; 2-ft span	(Optional) One or more layers, any thickness or combination	HPWX Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC	1 per 5.3 ft² (6 parts per 4 x 8 ft board)	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-22.5*
W-74.	Min. 15/32-inch plywood; 2-ft span	(Optional) One or more layers, any thickness or combination	HPWX Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC	1 per 4.0 ft² (2 x 2 ft grid pattern)	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-30.0
W-75.	Min. 15/32-inch plywood; 2-ft span	(Optional) One or more layers, any thickness or combination	HPWX Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC	1 per 4.0 ft² (2 x 2 ft grid pattern)	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-37.5*
W-76.	Min. 19/32-inch plywood; 2-ft span	(Optional) One or more layers, any thickness or combination	HPWX Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC	1 per 5.3 ft² (6 parts per 4 x 8 ft board)	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-45.0*
W-77.	Min. 19/32-inch plywood; 2-ft span	(Optional) One or more layers, any thickness or combination	HPWX Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC	1 per 4.0 ft² (2 x 2 ft grid pattern)	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-45.0*
W-78.	Min. 15/32-inch plywood; 2-ft span	(Optional) One or more layers, any thickness or combination	HPWX Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC	1 per 2.7 ft² (12 parts per 4 x 8 ft board)	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-45.0
W-79.	Min. 15/32-inch plywood; 2-ft span	(Optional) One or more layers, any thickness or combination	HPWX Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC	Max. 6" o.c. in rows max. 60" o.c.	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-60.0
W-80.	Min. 19/32-inch plywood; 2-ft span	(Optional) One or more layers, any thickness or combination	HPWX Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC	1 per 2.7 ft² (12 parts per 4 x 8 ft board)	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-67.5

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

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)		Roof Cover						MDP (psf)
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	Fastener Spacing (inch o.c.)	Lap Width (inch)	Lap Spacing (inch o.c.)	Seam Weld (inch)	
W-81.	Min. 19/32-inch CDX plywood or wood plank; 2 ft span	One or more layers, any combination	prelim attach	WeatherBond PVC, WeatherBond PVC Fleece, WeatherBond KEE HP or WeatherBond KEE HP Fleece	HPWX Fastener with HPWX Plate	12	5.5	114.5	1.5	-30.0
W-82.	Min. 19/32-inch CDX plywood or wood plank; 2 ft span	One or more layers, any combination	prelim attach	WeatherBond PVC, WeatherBond PVC Fleece, WeatherBond KEE HP or WeatherBond KEE HP Fleece	HPWX Fastener with HPWX Plate	6	5.5	114.5	1.5	-45.0
W-83.	Min. 23/32-inch CDX plywood or wood plank; 2-ft span	One or more layers, any combination	prelim. attach	WeatherBond PVC, WeatherBond PVC Fleece, WeatherBond KEE HP or WeatherBond KEE HP Fleece	HPWX Fastener with HPWX Plate	6	5.5	75.5	1.5	-52.5
W-84.	Min. 19/32-inch CDX plywood or wood plank; 2-ft span	One or more layers, any combination	prelim. attach	WeatherBond PVC, WeatherBond PVC Fleece, WeatherBond KEE HP or WeatherBond KEE HP Fleece	HPWX Fastener with HPWX Plate	6	5.5	75.5	1.5	-60.0

TABLE 2A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Vapor 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)	Membrane	Application	
BAREBACK APPLICATIONS:									
SC-1.	Min. 22 ga., type B, Grade 33 steel	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch XP Polyiso, XFP Polyiso and/or XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH or min. 2-inch XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-82.5
SC-2.	Min. 22 ga., type B, Grade 33 steel	None	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	None	N/A	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-105.0
SC-3.	Min. 22 ga., type B, Grade 33 steel	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	HydroBond WB	-67.5
SC-4.	Min. 22 ga., type B, Grade 33 steel	(Optional) VapAir Seal MD, self-adhering	Min. 2-inch XFP Polyiso and/or XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH or min. 2-inch XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	HydroBond WB	-82.5
SC-5.	Min. 22 ga., type B, Grade 33 steel	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	<u>Additional Insulation Layer(s):</u> (Optional) Min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH or min. 2-inch XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	HydroBond WB	-82.5
SC-6.	Min. 22 ga., type B, Grade 33 steel	(Optional) VapAir Seal MD, self-adhering	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	Min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	HydroBond WB	-82.5

TABLE 2A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Vapor 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)	Membrane	Application	
SC-7.	Min. 22 ga., type B, Grade 33 steel	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch XP Polyiso, XFP Polyiso and/or XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH or min. 2-inch XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-82.5
SC-8.	Min. 22 ga., type B, Grade 33 steel	(Optional) VapAir Seal MD, self-adhering	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	Min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-82.5
SC-9.	Min. 22 ga., type B, Grade 33 steel	None	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	None	N/A	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-105.0
FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):									
SC-10.	Min. 22 ga., type B, Grade 33 steel	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch XP Polyiso, XFP Polyiso and/or XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-82.5
SC-11.	Min. 22 ga., type B, Grade 33 steel	(Optional) VapAir Seal MD, self-adhering	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	Min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-82.5
SC-12.	Min. 22 ga., type B, Grade 33 steel	None	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	None	N/A	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-105.0

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
BAREBACK APPLICATIONS:								
SC-13.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Note 2	1 per 3.2 ft²	Min. 1.0-inch base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-45.0*
SC-14.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch XP Polyiso, XFP Polyiso	Note 2	1 per 4.0 ft²	Min. 1.0-inch base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-45.0*
SC-15.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Note 2	1 per 3.2 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-45.0*
SC-16.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch XP Polyiso, XFP Polyiso	Note 2	1 per 4.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-45.0*
SC-17.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck followed by min. 2.0-inch Insulfoam VIII	Note 2	1 per 2.0 ft²	Min. 2.0-inch Insulfoam HD Composite	Flexible DASH (RIBBON, 6-inch o.c.)	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-45.0*
SC-18.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC (min. 60-mil) or WeatherBond PVC FRS (min. 60-mil) / CAV-GRIP PVC Adhesive	-45.0
SC-19.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC (min. 60-mil) or WeatherBond PVC FRS (min. 60-mil) / CAV-GRIP PVC Adhesive	-52.5
SC-20.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC (min. 60-mil) or WeatherBond PVC FRS (min. 60-mil) / CAV-GRIP PVC Adhesive	-60.0

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
SC-21.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-60.0
SC-22.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC (min. 60-mil) or WeatherBond PVC FRS (min. 60-mil) / CAV-GRIP PVC Adhesive	-67.5
SC-23.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso	Note 2	1 per 1.6 ft²	Min. 1.0-inch base insulation	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-67.5
SC-24.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC (min. 60-mil) or WeatherBond PVC FRS (min. 60-mil) / CAV-GRIP PVC Adhesive	-75.0
SC-25.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 4-inch o.c.)	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-82.5
SC-26.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (FULL)	WeatherBond PVC (min. 60-mil) or WeatherBond PVC FRS (min. 60-mil) / CAV-GRIP PVC Adhesive	-82.5
SC-27.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (FULL)	WeatherBond PVC (min. 60-mil) or WeatherBond PVC FRS (min. 60-mil) / CAV-GRIP PVC Adhesive	-82.5
SC-28.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 4-inch o.c.)	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-90.0

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
SC-29.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (FULL)	WeatherBond PVC (min. 60-mil) or WeatherBond PVC FRS (min. 60-mil) / CAV-GRIP PVC Adhesive	-112.5
SC-30.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (FULL)	WeatherBond PVC (min. 60-mil) or WeatherBond PVC FRS (min. 60-mil) / CAV-GRIP PVC Adhesive	-135.0
SC-31.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck followed by min. 2.0-inch Insulfoam VIII	Note 2	1 per 2.7 ft²	Min. 1.5-inch Insulam (OSB)	Flexible DASH (RIBBON, 6-inch o.c.)	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-37.5*
SC-32.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Note 2	1 per 3.2 ft²	Min. 1.0-inch base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-45.0*
SC-33.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch XP Polyiso, XFP Polyiso	Note 2	1 per 4.0 ft²	Min. 1.0-inch base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-45.0*
SC-34.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Note 2	1 per 3.2 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-45.0*
SC-35.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch XP Polyiso, XFP Polyiso	Note 2	1 per 4.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-45.0*
SC-36.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck followed by min. 2.0-inch Insulfoam VIII	Note 2	1 per 2.0 ft²	Min. 2.0-inch Insulfoam HD Composite	Flexible DASH (RIBBON, 6-inch o.c.)	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-45.0*

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
SC-37.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC (min. 60-mil) or WeatherBond PVC FRS (min. 60-mil) in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP (min. 60-mil) in Low VOC PVC BA	-45.0
SC-38.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC (min. 60-mil) or WeatherBond PVC FRS (min. 60-mil) in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP (min. 60-mil) in Low VOC PVC BA	-52.5
SC-39.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC (min. 60-mil) or WeatherBond PVC FRS (min. 60-mil) in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP (min. 60-mil) in Low VOC PVC BA	-60.0
SC-40.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP in Low VOC PVC BA	-60.0
SC-41.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC (min. 60-mil) or WeatherBond PVC FRS (min. 60-mil) in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP (min. 60-mil) in Low VOC PVC BA	-67.5
SC-42.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Note 2	1 per 1.6 ft ²	Min. 1.0-inch base insulation	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-67.5
SC-43.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck followed by min. 3.0-inch Insulfoam VIII	Note 2	1 per 2.0 ft ²	Min. 1.5-inch Insulam (OSB)	DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-67.5
SC-44.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC (min. 60-mil) or WeatherBond PVC FRS (min. 60-mil) in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP (min. 60-mil) in Low VOC PVC BA	-75.0

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
SC-45.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 4-inch o.c.)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP in Low VOC PVC BA	-82.5
SC-46.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (FULL)	WeatherBond PVC (min. 60-mil) or WeatherBond PVC FRS (min. 60-mil) in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP (min. 60-mil) in Low VOC PVC BA	-82.5
SC-47.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (FULL)	WeatherBond PVC (min. 60-mil) or WeatherBond PVC FRS (min. 60-mil) in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP (min. 60-mil) in Low VOC PVC BA	-82.5
SC-48.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 4-inch o.c.)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP in Low VOC PVC BA	-90.0
SC-49.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (FULL)	WeatherBond PVC (min. 60-mil) or WeatherBond PVC FRS (min. 60-mil) in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP (min. 60-mil) in Low VOC PVC BA	-112.5
SC-50.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (FULL)	WeatherBond PVC (min. 60-mil) or WeatherBond PVC FRS (min. 60-mil) in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP (min. 60-mil) in Low VOC PVC BA	-135.0
SC-51.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Note 2	1 per 2.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch HP Recovery Board	OB500	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP / Low VOC PVC BA	-45.0*

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
SC-52.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or AC Foam II	Note 2	1 per 2.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime	OB500	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-45.0*
FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):								
SC-53.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or AC Foam II	Note 2	1 per 2.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck, DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-37.5*
SC-54.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck or DensDeck Prime	Note 2	1 per 2.0 ft ²	Min. 1.5-inch Kingspan GreenGuard Extruded Polystyrene followed by min. 0.25-inch DensDeck Prime	Flexible DASH (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-37.5*
FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):								
SC-55.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck followed by min. 2.0-inch Insulfoam VIII	Note 2	1 per 2.7 ft ²	Min. 1.5-inch Insulam (OSB)	Flexible DASH (RIBBON), 6-inch o.c.	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-37.5*
SC-56.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or AC Foam II	Note 2	1 per 2.0 ft ²	Additional layers of base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH (FULL) or Flexible DASH DT (FULL)	-45.0*
SC-57.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Note 2	1 per 3.2 ft ²	Min. 1.0-inch base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
SC-58.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Note 2	1 per 3.2 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck or DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH (FULL)	-45.0*
SC-59.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch XP Polyiso, XFP Polyiso	Note 2	1 per 4.0 ft ²	Min. 1.0-inch base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-45.0*

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
SC-60.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch XP Polyiso, XFP Polyiso	Note 2	1 per 4.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck or DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH (FULL)	-45.0*
SC-61.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck followed by min. 2.0-inch Insulfoam VIII	Note 2	1 per 2.0 ft²	Min. 2.0-inch Insulfoam HD Composite	Flexible DASH (RIBBON, 6-inch o.c.)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
SC-62.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0
SC-63.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-52.5
SC-64.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-60.0
SC-65.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-60.0
SC-66.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-67.5
SC-67.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-67.5

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
SC-68.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Note 2	1 per 1.6 ft ²	Min. 1.0-inch base insulation	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-67.5
SC-69.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck followed by min. 3.0-inch Insulfoam VIII	Note 2	1 per 2.0 ft ²	Min. 1.5-inch Insulam (OSB)	DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-75.0
SC-70.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-75.0
SC-71.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Note 2	1 per 1.6 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 2-inch XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-82.5
SC-72.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 4-inch o.c.)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-82.5
SC-73.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (FULL)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-82.5
SC-74.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (FULL)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-82.5
SC-75.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (FULL)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-82.5

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
SC-76.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 4-inch o.c.)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-90.0
SC-77.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (FULL)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-112.5
SC-78.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (FULL)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-112.5
SC-79.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (FULL)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-135.0
SC-80.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Note 2	1 per 4.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 0.25-inch SECUROCK Gypsum- Fiber Roof Board	OB500	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-37.5*
SC-81.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Note 2	1 per 2.7 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 0.25-inch SECUROCK Gypsum- Fiber Roof Board	OB500	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
SC-82.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Note 2	1 per 1.6 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 0.25-inch SECUROCK Gypsum- Fiber Roof Board	OB500	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-60.0

TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER									
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED BASE PLY, BONDED ROOF COVER									
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)	Base Ply	Top Ply	
FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):									
SC-83.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	SureMB 90 Base, SureMB 90 Poly Base or SureMB 120 Poly Base / US Ply Duraflex 901 Premium SBS Modified Adhesive	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
SC-84.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
SC-85.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	SureMB 90TG or 120TG / torch-applied	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-75.0

TABLE 2D: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER												
SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER												
System No.	Deck (Note 1)	Thermal Barrier			Primer	Vapor Barrier	Base Insulation		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 2 , Note 11)	Attach (Note 17)			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
BAREBACK APPLICATIONS:												
SC-86.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum- Fiber Roof Board	Note 2	1 per 2.0 ft ²	CAV-GRIP Primer	VapAir Seal 725TR, self-adhering	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum- Fiber Roof Board or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS in CAV-GRIP PVC Adhesive, Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-45.0*

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

System No.	Deck (Note 1)	Thermal Barrier			Primer	Vapor Barrier	Base Insulation		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 2 , Note 11)	Attach (Note 17)			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
SC-87.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft ²	CAV-GRIP Primer	VapAir Seal 725TR, self-adhering	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layers base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS in CAV-GRIP PVC Adhesive, Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-45.0*
SC-88.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 4.0 ft ²	None	SureMB 90TG or SureMB 120TG, torch-applied	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layers base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS / HydroBond	-45.0*
SC-89.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 4.0 ft ²	None	SureMB 90TG or SureMB 120TG, torch-applied	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layers base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP / CAV-GRIP PVC Adhesive or Low VOC PVC BA	-45.0*
SC-90.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft ²	CAV-GRIP Primer	VapAir Seal 725TR, self-adhering	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH (RIBBON)	(Optional) Additional layers base insulation	Flexible DASH (RIBBON, 6-inch o.c.)	WeatherBond PVC or WeatherBond PVC FRS in CAV-GRIP PVC Adhesive, Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-52.5
SC-91.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 1.6 ft ²	None	SureMB 90TG or SureMB 120TG, torch-applied	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS in CAV-GRIP PVC Adhesive, Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-67.5

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

System No.	Deck (Note 1)	Thermal Barrier			Primer	Vapor Barrier	Base Insulation		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 2 , Note 11)	Attach (Note 17)			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
SC-92.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 1.6 ft ²	None	SureMB 90TG or SureMB 120TG, torch-applied	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS in CAV-GRIP PVC Adhesive, Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-67.5
FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):												
SC-93.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum- Fiber Roof Board	Note 2	1 per 2.0 ft ²	CAV-GRIP Primer	VapAir Seal 725TR, self-adhering	(Optional) Min. 1.5-Inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
SC-94.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum- Fiber Roof Board	Note 2	1 per 2.0 ft ²	CAV-GRIP Primer	VapAir Seal 725TR, self-adhering	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layers base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
SC-95.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum- Fiber Roof Board	Note 2	1 per 2.0 ft ²	CAV-GRIP Primer	VapAir Seal 725TR, self-adhering	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH (RIBBON)	(Optional) Additional layers base insulation	Flexible DASH (RIBBON, 6-inch o.c.)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-52.5
FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):												
SC-96.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum- Fiber Roof Board	Note 2	1 per 2.0 ft ²	CAV-GRIP Primer	VapAir Seal 725TR, self-adhering	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum- Fiber Roof Board or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*

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

System No.	Deck (Note 1)	Thermal Barrier			Primer	Vapor Barrier	Base Insulation		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 2 , Note 11)	Attach (Note 17)			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
SC-97.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 4 ft²	None	SureMB 90TG or SureMB 120TG, torch-applied	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layers base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-98.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum- Fiber Roof Board	Note 2	1 per 2.0 ft²	CAV-GRIP Primer	VapAir Seal 725TR, self-adhering	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH (RIBBON)	(Optional) Additional layers base insulation	Flexible DASH (RIBBON, 6-inch o.c.)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-52.5
SC-99.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 1.6 ft²	None	SureMB 90TG or SureMB 120TG, torch-applied	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-67.5
SC-100.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 1.6 ft²	None	SureMB 90TG or SureMB 120TG, torch-applied	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-67.5

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2, Note 11)	Attach (Note 17)		
BAREBACK APPLICATIONS:							
SC-101.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Min. 0.25-inch DensDeck Prime	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 3.2 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-30.0*
SC-102.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Min. 0.5-inch DensDeck Prime	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 5.3 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-30.0*
SC-103.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso, loose laid	Min. 0.5-inch XFP HD, XFP HD Plus	Steel: WeatherBond Insulation Fastener with AccuTrac Plate Concrete: HD 14-10 Fastener or CD-10 with AccuTrac Plate	1 per 4.0 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-30.0*
SC-104.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Min. 0.625-inch DensDeck Prime	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 5.3 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-37.5*
SC-105.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 1.5-inch XP Polyiso, XFP Polyiso	Note 2	1 per 2.9 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-37.5*
SC-106.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.7 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-37.5*
SC-107.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso, loose laid	Min. 0.5-inch XFP HD, XFP HD Plus	Steel: WeatherBond Insulation Fastener with AccuTrac Plate Concrete: HD 14-10 Fastener or CD-10 with AccuTrac Plate	1 per 2.9 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-45.0*
SC-108.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Min. 0.5-inch XFP HD Plus	Note 2	1 per 4.0 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-45.0*
SC-109.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DensDeck Prime	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-45.0*
SC-110.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.625-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Carlisle EcoStorm VSH	Note 2	1 per 4.0 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-45.0*

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2, Note 11)	Attach (Note 17)		
SC-111.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 2-inch XP Polyiso or XFP Polyiso	Note 2	1 per 4.0 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-45.0*
SC-112.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or Carlisle EcoStorm VSH	Note 2	1 per 3.2 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-45.0*
SC-113.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 2-inch XFP Polyiso	Note 2	1 per 3.2 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-45.0*
SC-114.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.0-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.0 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-45.0*
SC-115.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Carlisle EcoStorm VSH	Note 2	1 per 2.0 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-45.0*
SC-116.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 1.5-inch XP Polyiso, XFP Polyiso	Note 2	1 per 2.0 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-45.0*
SC-117.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 1-inch XP Polyiso, XFP Polyiso	Note 2	1 per 1.6 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-45.0*
SC-118.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Min. 0.25-inch DensDeck Prime	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-52.5
SC-119.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.0-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Min. 0.5-inch DensDeck Prime	Note 2	1 per 1.6 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-52.5
SC-120.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 2.0-inch XFP Polyiso	Note 2	1 per 2.0 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-60.0
SC-121.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Min. 0.5-inch XFP HD Plus	Note 2	1 per 1.8 ft²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-60.0

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2, Note 11)	Attach (Note 17)		
SC-122.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Min. 0.5-inch DensDeck Prime	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-67.5
SC-123.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 2.0-inch XP Polyiso, XFP Polyiso	Note 2	1 per 1.6 ft ²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-67.5
SC-124.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Min. 0.5-inch DensDeck Prime	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-75.0
SC-125.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or Carlisle EcoStorm VSH	Note 2	1 per 1.6 ft ²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-82.5
SC-126.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch Carlisle EcoStorm VSH	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-82.5
SC-127.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Min. 0.5-inch XFP HD Plus	Note 2	1 per 1.3 ft ²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-112.5
SC-128.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Min. 2-inch XFP HD Composite	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-112.5
SC-129.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or Carlisle EcoStorm VSH	Note 2	1 per 1.0 ft ²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-112.5
SC-130.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-112.5
SC-131.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Min. 2-inch XFP Polyiso	Note 2	1 per 1.0 ft ²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-112.5

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2, Note 11)	Attach (Note 17)		
SC-132.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DensDeck Prime	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-127.5
SC-133.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Min. 2-inch XP Polyiso or XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-127.5
SC-134.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch Carlisle EcoStorm VSH	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-135.0
SC-135.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Min. 2.5-inch XFP HD Composite	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-150.0
SC-136.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Min. 0.25-inch DensDeck Prime	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 3.2 ft ²	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-30.0*
SC-137.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Min. 0.5-inch DensDeck Prime	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 5.3 ft ²	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-30.0*
SC-138.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso, loose laid	Min. 0.5-inch XFP HD, XFP HD Plus	Steel: WeatherBond Insulation Fastener with AccuTrac Plate Concrete: HD 14-10 Fastener or CD-10 with AccuTrac Plate	1 per 4.0 ft ²	WeatherBond PVC or WeatherBond PVC FRS / HydroBond	-30.0*
SC-139.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso, loose laid	Min. 0.5-inch XFP HD, XFP HD Plus	Steel: WeatherBond Insulation Fastener with AccuTrac Plate Concrete: HD 14-10 Fastener or CD-10 with AccuTrac Plate	1 per 4.0 ft ²	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP / Low VOC PVC BA	-30.0*
SC-140.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Min. 0.625-inch DensDeck Prime	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 5.3 ft ²	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-37.5*
SC-141.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 1.5-inch XP Polyiso, XFP Polyiso	Note 2	1 per 2.9 ft ²	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-37.5*

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2, Note 11)	Attach (Note 17)		
SC-142.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Carlisle EcoStorm VSH	Note 2	1 per 2.7 ft ²	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-37.5*
SC-143.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	WeatherBond Insulation Fastener with SecurFast Insulation Fastening Plate	1 per 2.7 ft ²	WeatherBond PVC / Low VOC PVC BA	-37.5*
SC-144.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or AC Foam II	Min. 0.5-inch HP Recovery Board	Note 2	1 per 1.6 ft ²	WeatherBond PVC or WeatherBond PVC FRS / Aquabase 120 Water Based BA	-37.5*
SC-145.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso, loose laid	Min. 0.5-inch XFP HD, XFP HD Plus	Steel: WeatherBond Insulation Fastener with AccuTrac Plate Concrete: HD 14-10 Fastener or CD-10 with AccuTrac Plate	1 per 2.9 ft ²	WeatherBond PVC or WeatherBond PVC FRS / HydroBond	-45.0*
SC-146.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso, loose laid	Min. 0.5-inch XFP HD, XFP HD Plus	Steel: WeatherBond Insulation Fastener with AccuTrac Plate Concrete: HD 14-10 Fastener or CD-10 with AccuTrac Plate	1 per 2.9 ft ²	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP / Low VOC PVC BA	-45.0*
SC-147.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or AC Foam II	Min. 0.5-inch XFP HD Plus	Note 2	1 per 4.0 ft ²	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-45.0*
SC-148.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DensDeck Prime	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft ²	WeatherBond PVC / Low VOC PVC BA or HydroBond WB	-45.0*
SC-149.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	WeatherBond Insulation Fastener with SecurFast Insulation Fastening Plate	1 per 4.0 ft ²	WeatherBond PVC / Low VOC PVC BA	-45.0*
SC-150.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.625-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Carlisle EcoStorm VSH	Note 2	1 per 4.0 ft ²	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-45.0*
SC-151.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 2-inch XP Polyiso or XFP Polyiso	Note 2	1 per 4.0 ft ²	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-45.0*
SC-152.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DensDeck Prime	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 3.2 ft ²	WeatherBond KEE HP in Low VOC PVC BA	-45.0*

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2, Note 11)	Attach (Note 17)		
SC-153.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or Carlisle EcoStorm VSH	Note 2	1 per 3.2 ft ²	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-45.0*
SC-154.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 2-inch XFP Polyiso	Note 2	1 per 3.2 ft ²	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-45.0*
SC-155.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.0-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.0 ft ²	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-45.0*
SC-156.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Carlisle EcoStorm VSH	Note 2	1 per 2.0 ft ²	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-45.0*
SC-157.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.0-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Min. 0.5-inch HP Recovery Board	Note 2	1 per 2.0 ft ²	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP / Low VOC PVC BA	-45.0*
SC-158.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Note 2	1 per 2.0 ft ²	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-45.0*
SC-159.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Min. 0.25-inch DensDeck Prime	Note 2	1 per 1.6 ft ²	WeatherBond PVC or WeatherBond PVC FRS / Aquabase 120 Water Based BA	-45.0*
SC-160.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 1-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Note 2	1 per 1.6 ft ²	WeatherBond PVC or WeatherBond PVC FRS / Low VOC PVC BA or HydroBond WB	-45.0*
SC-161.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Min. 0.25-inch DensDeck Prime	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-52.5
SC-162.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.0-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Min. 0.5-inch DensDeck Prime	Note 2	1 per 1.6 ft ²	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-52.5
SC-163.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 7/16-inch APA rated OSB	Note 2	1 per 1.9 ft ²	WeatherBond KEE HP in Low VOC PVC BA	-52.5

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2, Note 11)	Attach (Note 17)		
SC-164.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 2.0-inch XFP Polyiso	Note 2	1 per 2.0 ft ²	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-60.0
SC-165.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 7/16-inch APA rated OSB	Note 2	1 per 1.9 ft ²	WeatherBond PVC or WeatherBond PVC FRS in HydroBond WB	-60.0
SC-166.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or AC Foam II	Min. 0.5-inch XFP HD Plus	Note 2	1 per 1.78 ft ²	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-60.0
SC-167.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or AC Foam II	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Carlisle EcoStorm VSH	Note 2	1 per 1.6 ft ²	WeatherBond PVC or WeatherBond PVC FRS in HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-60.0
SC-168.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 2.0-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or AC Foam II	Note 2	1 per 1.6 ft ²	WeatherBond PVC or WeatherBond PVC FRS in HydroBond WB	-60.0
SC-169.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 2.0-inch XP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	WeatherBond KEE HP in Low VOC PVC BA	-60.0
SC-170.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Min. 0.5-inch DensDeck Prime	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-67.5
SC-171.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 7/16-inch APA rated OSB	Note 2	1 per 1.9 ft ²	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP / Low VOC PVC BA	-67.5
SC-172.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 2.0-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or AC Foam II	Note 2	1 per 1.6 ft ²	WeatherBond PVC or WeatherBond PVC FRS / Low VOC PVC BA	-67.5
SC-173.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Min. 0.5-inch DensDeck Prime	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-75.0
SC-174.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or AC Foam II	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or Carlisle EcoStorm VSH	Note 2	1 per 1.6 ft ²	WeatherBond PVC or WeatherBond KEE HP / Low VOC PVC BA	-82.5

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2, Note 11)	Attach (Note 17)		
SC-175.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or AC Foam II	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or Carlisle EcoStorm VSH	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	WeatherBond KEE HP in Low VOC PVC BA	-82.5
SC-176.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or AC Foam II	Min. 0.5-inch XFP HD Plus	Note 2	1 per 1.3 ft ²	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP / Low VOC PVC BA	-112.5
SC-177.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or AC Foam II	Min. 2-inch XFP HD Composite	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP / Low VOC PVC BA	-112.5
SC-178.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or AC Foam II	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or Carlisle EcoStorm VSH	Note 2	1 per 1.0 ft ²	WeatherBond PVC or WeatherBond KEE HP / Low VOC PVC BA	-112.5
SC-179.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or AC Foam II	Min 0.5-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	WeatherBond Insulation Fastener with SecurFast Insulation Fastening Plate	1 per 1.0 ft ²	WeatherBond PVC / Low VOC PVC BA	-112.5
SC-180.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or AC Foam II	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or Carlisle EcoStorm VSH	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	WeatherBond PVC or WeatherBond KEE HP / Low VOC PVC BA	-112.5
SC-181.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or AC Foam II	Min. 2-inch XFP Polyiso	Note 2	1 per 1.0 ft ²	WeatherBond PVC or WeatherBond KEE HP / Low VOC PVC BA	-112.5
SC-182.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DensDeck Prime	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	WeatherBond PVC or WeatherBond PVC FRS in Low VOC PVC BA or HydroBond WB or WeatherBond KEE HP in Low VOC PVC BA	-127.5
SC-183.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or AC Foam II	Min. 2-inch XP Polyiso or XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP / Low VOC PVC BA	-127.5
SC-184.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or AC Foam II	Min. 2.5-inch XFP HD Composite	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP / Low VOC PVC BA	-150.0

FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2, Note 11)	Attach (Note 17)		
SC-185.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DensDeck Prime	Note 2	1 per 2.0 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):							
SC-186.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Min. 0.25-inch DensDeck Prime	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 3.2 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-30.0*
SC-187.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Min. 0.5-inch DensDeck Prime	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 5.3 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-30.0*
SC-188.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso, loose laid	Min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Steel: WeatherBond Insulation Fastener with AccuTrac Plate Concrete: HD 14-10 Fastener or CD-10 with AccuTrac Plate	1 per 4.0 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-30.0*
SC-189.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Min. 0.625-inch DensDeck Prime	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 5.3 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-37.5*
SC-190.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 1.5-inch XP Polyiso, XFP Polyiso	Note 2	1 per 2.9 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-37.5*
SC-191.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.7 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-37.5*
SC-192.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 1-inch XP Polyiso or XFP Polyiso	Note 2	1 per 1.6 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-193.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 1.5-inch XP Polyiso or XFP Polyiso	Note 2	1 per 2.0 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-194.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 2-inch XP Polyiso or XFP Polyiso	Note 2	1 per 4.0 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2, Note 11)	Attach (Note 17)		
SC-195.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XFP Polyiso, XFP Polyiso, loose laid	Min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Steel: WeatherBond Insulation Fastener with AccuTrac Plate Concrete: HD 14-10 Fastener or CD-10 with AccuTrac Plate	1 per 2.9 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-196.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XFP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or AC Foam II	Min. 0.5-inch XFP HD Plus or Carlisle EcoStorm VSH	Note 2	1 per 4.0 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-197.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.0-inch XFP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or AC Foam II	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.0 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-198.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DensDeck Prime	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-199.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-200.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 3.2 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-201.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-202.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XFP Polyiso, XFP Polyiso	Min. 0.25-inch DensDeck Prime	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-52.5
SC-203.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XFP Polyiso, XFP Polyiso	Min. 0.5-inch DensDeck Prime	Note 2	1 per 1.6 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-52.5
SC-204.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 2.0-inch XFP Polyiso	Note 2	1 per 2.0 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-60.0
SC-205.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 2.0-inch XFP Polyiso, XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-60.0

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2, Note 11)	Attach (Note 17)		
SC-206.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Min. 0.5-inch XFP HD Plus or Carlisle EcoStorm VSH	Note 2	1 per 1.78 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-60.0
SC-207.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Steel: WeatherBond Insulation Fastener with SecurFast Insulation Fastening Plate Concrete: HD 14-10 Fastener or CD-10 with SecurFast Insulation Fastening Plate	1 per 1.0 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / DASH DT Flexible DASH or Flexible DASH DT (FULL)	-60.0
SC-208.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-60.0
SC-209.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers	Min. 2.0-inch XP Polyiso, XFP Polyiso	Note 2	1 per 1.6 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-67.5
SC-210.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Min. 0.5-inch DensDeck Prime	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-67.5
SC-211.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Min. 0.5-inch DensDeck Prime	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-75.0
SC-212.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 7/16-inch APA or TECO rated OSB	Note 2	1 per 1.9 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-75.0
SC-213.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-82.5
SC-214.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 15/32-inch plywood	Note 2	1 per 1.9 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Aqua Base 120 BA	-82.5
SC-215.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Min. 2-inch XFP Polyiso	Note 2	1 per 1.0 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-112.5

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2, Note 11)	Attach (Note 17)		
SC-216.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XFP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Min. 0.5-inch XFP HD Plus or Carlisle EcoStorm VSH	Note 2	1 per 1.3 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-112.5
SC-217.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch XFP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Min. 2-inch XFP HD Composite	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-112.5
SC-218.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch XFP Polyiso, XFP Polyiso	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-112.5
SC-219.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DensDeck Prime	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-127.5
SC-220.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch XFP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Min. 2-inch XFP Polyiso or XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-127.5
SC-221.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 7/16-inch APA or TECO rated OSB	Note 2	1 per 1.0 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-135.0
SC-222.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min 2-inch XFP Polyiso, XFP HD Composite	Note 2	1 per 1.0 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-135.0
SC-223.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch XFP HD Composite	Note 2	1 per 1.0 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH DT (FULL)	-150.0
SC-224.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch XFP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	Min. 2.5-inch XFP HD Composite	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-150.0

**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)
			Fastener (Note 11)	Density / Pattern		
RHINO BOND SYSTEMS:						
SC-225.	Min. 22 ga., type B, Grade 33 steel	Min. 1-inch thick, one or more layers, any combination. Note A.	HPWX Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC	1 per 5.3 ft ² (6 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1- 29; Note B	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-45.0
SC-226.	Min. 22 ga., type B, Grade 33 steel, 7 ft span, HILTI X-HSN 24, 6" o.c. Side laps HILTI S-SLC 01 M HWH, 24" o.c.	Min. 1-inch thick, one or more layers, any combination. Note C.	HPWX Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC	1 per 4.0 ft ² (2 x 2 ft grid pattern)	WeatherBond PVC (min. 60-mil) or WeatherBond KEE HP (min. 60-mil) induction welded with RhinoBond tool per manufacturer's instructions	-52.5
SC-227.	Min. 22 ga., type B, Grade 33 steel, 7 ft span, 5/8" puddle welds, 6" o.c. Side laps ITW HWH #12 Tek 1, 24" o.c.	Min. 1-inch thick, one or more layers, any combination. Note C.	HPWX Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC	1 per 4.0 ft ² (2 x 2 ft grid pattern)	WeatherBond PVC (min. 60-mil) or WeatherBond KEE HP (min. 60-mil) induction welded with RhinoBond tool per manufacturer's instructions	-52.5
SC-228.	Min. 22 ga., type B, Grade 33 steel	Min. 1-inch thick, one or more layers, any combination. Note A.	HPWX Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC	1 per 4.0 ft ² (8 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1- 29; Note B	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-52.5
SC-229.	Min. 22 ga., type B, Grade 40 steel; 6 ft span; 5/8" puddle welds 6" o.c.	Min. 1.5-inch thick, one or more layers, any combination.	HPWX Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC	1 per 4.0 ft ² (2 x 2 ft grid pattern)	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-52.5
SC-230.	Min. 22 ga., type B, Grade 80 steel	Min. 1-inch thick, one or more layers, any combination. Note A.	HPWX Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC	1 per 4.0 ft ² (8 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1- 29; Note B	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-60.0
SC-231.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination. Note A.	HPW-XL Fastener with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC	1 per 4.0 ft ² (8 parts per 4 x 8 ft board) 2 x 2 ft grid pattern	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-67.5
SC-232.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HPWX Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC	12-inch o.c. in rows max. 120-inch o.c.	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-30.0
SC-233.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HPWX Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC	18-inch o.c. in rows max. 60-inch o.c.	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-37.5
SC-234.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HPWX Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC	12-inch o.c. in rows max. 60-inch o.c.	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-52.5

**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)
			Fastener (Note 11)	Density / Pattern		
SC-235.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HPWX Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC	6-inch o.c. in rows max. 120-inch o.c.	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-60.0
SC-236.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HPWX Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC	6-inch o.c. in rows max. 60-inch o.c.	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-90.0
Notes:	A. For these assemblies, the 8 ft insulation board length is placed perpendicular to the steel deck ribs. B. The plate/fastener combination offset 12 inch from adjacent rows. C. For these assemblies, the 8 ft insulation board length is placed perpendicular to the steel deck ribs and each row of insulation is staggered by 1 foot.					
ISOWELD INDUCTION WELDING SYSTEMS:						
SC-237.	Min. 22 ga., type B, Grade 40 steel	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#15-PH3 with isoweld F1-P-6.8-PVC Plate	1 per 6 ft ² 2 x 3-ft grid, staggered	WeatherBond PVC or WeatherBond KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions	-37.5
SC-238.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#12-PH3 or DF-#15-PH3 with isoweld F1-P-6.8-PVC Plate	1 per 6 ft ² 2 x 3-ft grid, staggered	WeatherBond PVC or WeatherBond KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions	-37.5
SC-239.	Min. 22 ga., type B, Grade 40 steel	One or more layers, any combination, min. 1.5-inch, preliminarily attached	Dekfast DF-#15-PH3 with isoweld F1-P-6.8-PVC Plate	12-inch o.c. in rows max. 60-inch o.c.	WeatherBond PVC or WeatherBond KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions	-45.0
SC-240.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch, preliminarily attached	Dekfast DF-#12-PH3 or DF-#15-PH3 with isoweld F1-P-6.8-PVC Plate	12-inch o.c. in rows max. 60-inch o.c.	WeatherBond PVC or WeatherBond KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions	-45.0
SC-241.	Min. 22 ga., type B, Grade 40 steel	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#15-PH3 with isoweld F1-P-6.8-PVC Plate	1 per 4.0 ft ² 2 x 2-ft grid, staggered	WeatherBond PVC or WeatherBond KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions	-52.5
SC-242.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#12-PH3 or DF-#15-PH3 with isoweld F1-P-6.8-PVC Plate	1 per 4.0 ft ² 2 x 2-ft grid, staggered	WeatherBond PVC or WeatherBond KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions	-52.5
SC-243.	Min. 22 ga., type B, Grade 40 steel	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#15-PH3 with isoweld F1-P-6.8-PVC Plate	1 per 3.0 ft ² 1.5 x 2-ft grid, staggered	WeatherBond PVC or WeatherBond KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions	-82.5
SC-244.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#12-PH3 or DF-#15-PH3 with isoweld F1-P-6.8-PVC Plate	1 per 3.0 ft ² 1.5 x 2-ft grid, staggered	WeatherBond PVC or WeatherBond KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions	-82.5

**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)
			Fastener (Note 11)	Density / Pattern		
SC-245.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch, preliminarily attached	Dekfast DF-#12-PH3 or DF-#15-PH3 with isoweld F1-P-6.8-PVC Plate	6-inch o.c. in rows max. 60-inch o.c.	WeatherBond PVC or WeatherBond KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions	-90.0

**TABLE 2G: STEEL OR 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 Layer (Note 3, Note 13)		Roof Cover (Note 15A)						MDP (psf)
		Type	Attach	Membrane	Fastener (Note 11)	Fastener Spacing (inch o.c.)	Lap Width (inch)	Lap Spacing (inch o.c.)	Seam Weld (inch)	
SC-246.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	WeatherBond PVC	HPWX Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with HPWX Plate	18	5.5	75.5	1.5	-30.0
SC-247.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	WeatherBond PVC	Trufast #15 EHD (steel only) or Trufast 1/4" Concrete Spike (concrete only) and Trufast 2.4" Barbed Metal Seam Plate (14 Barb)	18	5.5	75.5	1.5	-30.0
SC-248.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	WeatherBond PVC	HPW-XL Fastener and HPW-XL Plate (steel only) or HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with HPWX Plate	18	5.5	75.5	1.5	-30.0
SC-249.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	WeatherBond KEE HP	HPW-XL Fastener and HPW-XL Plate (steel only) or HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with HPWX Plate	12	5	115	1.5	-30.0
SC-250.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	WeatherBond KEE HP	HPW-XL Fastener and HPW-XL Plate (steel only) or HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with HPWX Plate	12	6	114	1.5	-30.0
SC-251.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	WeatherBond PVC or WeatherBond PVC Fleece	HPWX Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with HPWX Plate	12	5.5	75.5	1.5	-37.5
SC-252.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	WeatherBond PVC or WeatherBond PVC Fleece	Trufast #15 EHD (steel only), Trufast #14 HD (concrete only) or Trufast 1/4" Concrete Spike (concrete only) and Trufast 2.4" Barbed Metal Seam Plate (14 Barb)	12	5.5	75.5	1.5	-37.5

TABLE 2G: STEEL OR 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 Layer (Note 3, Note 13)		Roof Cover (Note 15A)						MDP (psf)
		Type	Attach	Membrane	Fastener (Note 11)	Fastener Spacing (inch o.c.)	Lap Width (inch)	Lap Spacing (inch o.c.)	Seam Weld (inch)	
SC-253.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	WeatherBond PVC, WeatherBond PVC Fleece, WeatherBond KEE HP or WeatherBond KEE HP Fleece	HPWX Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with HPWX Plate	6	5	115	1.5	-37.5
SC-254.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	WeatherBond KEE HP or WeatherBond KEE HP Fleece	HPWX Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with HPWX Plate	6	6	114	1.5	-37.5
SC-255.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	WeatherBond PVC	HPWX Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with HPWX Plate	12	5.5	75.5	1.5	-45.0
SC-256.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	WeatherBond PVC	Trufast #15 EHD (steel only) or Trufast 1/4" Concrete Spike (concrete only) and Trufast 2.4" Barbed Metal Seam Plate (14 Barb)	12	5.5	75.5	1.5	-45.0
SC-257.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	WeatherBond PVC or WeatherBond KEE HP	HPW-XL Fastener and HPW-XL Plate (steel only) or HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with HPWX Plate	12	5.5	75.5	1.5	-45.0
SC-258.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	WeatherBond PVC, WeatherBond PVC Fleece, WeatherBond KEE HP or WeatherBond KEE HP Fleece	HPWX Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with HPWX Plate	12	5.5	54.5	1.5	-45.0
SC-259.	Min. 22 ga., type B, Grade 33 steel, 7 ft span, HILTI X-HSN 24, 6" o.c. Side laps HILTI S-SLC 01 M HWH, 24" o.c. or min. 2,500 psi structural concrete	Min. 1-inch, one or more layers, any combination	prelim. attach	Min. 60-mil WeatherBond PVC or WeatherBond PVC Fleece or min. 50-mil WeatherBond KEE HP or WeatherBond KEE HP Fleece	HPWX Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with HPWX Plate	6	5.5	114.5	1.5	-45.0
SC-260.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	WeatherBond KEE HP or WeatherBond KEE HP Fleece	HPWX Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) and Dekfast PLT-O2-3/4-12B	6	6	114	1.5	-45.0
SC-261.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	WeatherBond PVC or WeatherBond PVC Fleece	HPWX Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with HPWX Plate	12	5.5	35.5	1.5	-52.5

TABLE 2G: STEEL OR 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 Layer (Note 3, Note 13)		Roof Cover (Note 15A)						MDP (psf)
		Type	Attach	Membrane	Fastener (Note 11)	Fastener Spacing (inch o.c.)	Lap Width (inch)	Lap Spacing (inch o.c.)	Seam Weld (inch)	
SC-262.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	WeatherBond PVC or WeatherBond PVC Fleece	Trufast #15 EHD (steel only), Trufast #14 HD (concrete only) or Trufast 1/4" Concrete Spike (concrete only) and Trufast 2.4" Barbed Metal Seam Plate (14 Barb)	12	5.5	35.5	1.5	-52.5
SC-263.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1-inch, one or more layers, any combination	prelim. attach	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	HPWX Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with HPWX Plate	6	5.5	114.5	1.5	-52.5
SC-264.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination (optional for recover) followed by 3/8-inch Insulfoam R- Tech EPS or Fan-Fold	Loose laid	WeatherBond PVC, WeatherBond PVC Fleece, WeatherBond KEE HP or WeatherBond KEE HP Fleece	HPWX Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with HPWX Plate	6	5.5	75.5	1.5	-52.5
SC-265.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	WeatherBond PVC or WeatherBond PVC Fleece	Trufast #15 EHD (steel only), Trufast #14 HD (concrete only) or Trufast 1/4" Concrete Spike (concrete only) and Trufast 2.4" Barbed Metal Seam Plate (14 Barb)	6	5.5	75.5	1.5	-52.5
SC-266.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	WeatherBond PVC or WeatherBond PVC Fleece	HPWX Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with HPWX Plate	12	5.5	35	1.5	-60.0
SC-267.	Min. 22 ga., type B, Grade 33 steel, 7 ft span, 5/8" puddle welds, 6" o.c. Side laps ITW HWH #12 Tek's 1, 24" o.c. or min. 2,500 psi structural concrete	Min. 1-inch, one or more layers, any combination	prelim. attach	Min. 60-mil WeatherBond PVC or min. 50-mil WeatherBond KEE HP	HPWX Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with HPWX Plate	6	5.5	114.5	1.5	-60.0
SC-268.	Min. 22 ga., type B, Grade 40 steel; 6 ft span; 5/8" puddle welds 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	Min. 60-mil WeatherBond PVC or min. 50-mil WeatherBond KEE HP	HPWX Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with HPWX Plate	6	5.5	114.5	1.5	-60.0
SC-269.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	WeatherBond PVC or WeatherBond PVC Fleece	HPWX Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with HPWX Plate	6	5.5	75.5	1.5	-60.0

TABLE 2G: STEEL OR 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 Layer (Note 3, Note 13)		Roof Cover (Note 15A)						MDP (psf)
		Type	Attach	Membrane	Fastener (Note 11)	Fastener Spacing (inch o.c.)	Lap Width (inch)	Lap Spacing (inch o.c.)	Seam Weld (inch)	
SC-270.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	WeatherBond PVC, WeatherBond PVC Fleece, WeatherBond KEE HP or WeatherBond KEE HP Fleece	HPWX Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with HPWX Plate	6	5.5	54.5	1.5	-67.5
SC-271.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	Min. 60-mil WeatherBond PVC, WeatherBond PVC Fleece, WeatherBond KEE HP or WeatherBond KEE HP Fleece	HPWX Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with HPWX Plate	6	5.5	54.5	1.5	-75.0
SC-272.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	WeatherBond PVC, WeatherBond PVC Fleece, WeatherBond KEE HP or WeatherBond KEE HP Fleece	HPWX Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with HPWX Plate	6	5.5	35	1.5	-82.5
SC-273.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	prelim. attach	WeatherBond PVC or WeatherBond PVC Fleece	Trufast #15 EHD (steel only), Trufast #14 HD (concrete only) or Trufast 1/4" Concrete Spike (concrete only) and Trufast 2.4" Barbed Metal Seam Plate (14 Barb)	6	5.5	35.5	1.5	-82.5

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

NOTE: REFER TO [NOTE 16](#) FOR VAPOR BARRIER OPTIONS

Sys. No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
BAREBACK APPLICATIONS:								
C-1.	Min. 2,500 psi structural concrete	Min. 0.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-157.5
C-2.	Min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-225.0
C-3.	Min. 2,500 psi structural concrete	Min. 0.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-157.5
C-4.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Flexible DASH (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-315.0
C-5.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-277.5
C-6.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (FULL)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Flexible DASH DT (FULL)	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-315.0
C-7.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-112.5
C-8.	Min. 2,500 psi structural concrete	Min. 0.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch XFP HD, XFP HD Plus	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-157.5
C-9.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch XFP HD, XFP HD Plus	Flexible DASH (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-397.5
C-10.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch XFP HD, XFP HD Plus	Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-277.5
C-11.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (FULL)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch XFP HD, XFP HD Plus	Flexible DASH DT (FULL)	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-397.5

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

NOTE: REFER TO [NOTE 16](#) FOR VAPOR BARRIER OPTIONS

Sys. No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-12.	Min. 2,500 psi structural concrete	Min. 0.5-inch XFP HD	Flexible DASH DT (RIBBON)	<u>Insulation:</u> Min. 1.6-inch Kingspan (Pembridge) "Optim-R" <u>Coverboard:</u> Min. 0.5-inch XFP HD, XFP HD Plus	Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-127.5
C-13.	Min. 2,500 psi structural concrete	Min. 0.5-inch XFP HD	Flexible DASH DT (FULL)	<u>Insulation:</u> Min. 1.6-inch Kingspan (Pembridge) "Optim-R" <u>Coverboard:</u> Min. 0.5-inch XFP HD, XFP HD Plus	Flexible DASH DT (FULL)	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-397.5
C-14.	Min. 2,500 psi structural concrete	Min. 0.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-157.5
C-15.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch Carlisle EcoStorm VSH	Flexible DASH (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-352.5
C-16.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch Carlisle EcoStorm VSH	Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-277.5
C-17.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch Carlisle EcoStorm VSH	Flexible DASH DT (FULL)	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-352.5
C-18.	Min. 2,500 psi structural concrete	Min. 0.5-inch Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (FULL)	None	N/A	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-495.0
C-19.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-112.5
C-20.	Min. 2,500 psi structural concrete	Min. 0.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	HydroBond WB	-60.0
C-21.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	HydroBond WB	-60.0
C-22.	Min. 2,500 psi structural concrete	Min. 0.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	HydroBond WB	-157.5

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

NOTE: REFER TO [NOTE 16](#) FOR VAPOR BARRIER OPTIONS

Sys. No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-23.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 7/16-inch APA rated OSB	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	HydroBond WB	-180.0
C-24.	Min. 2,500 psi structural concrete	Min. 0.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch XFP HD, XFP HD Plus	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	HydroBond WB	-157.5
C-25.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch XFP HD, XFP HD Plus	Flexible DASH (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	HydroBond WB	-397.5
C-26.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch XFP HD, XFP HD Plus	Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	HydroBond WB	-277.5
C-27.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (FULL)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch XFP HD, XFP HD Plus	Flexible DASH DT (FULL)	WeatherBond PVC or WeatherBond PVC FRS	HydroBond WB	-397.5
C-28.	Min. 2,500 psi structural concrete	Min. 0.5-inch XFP HD	Flexible DASH DT (RIBBON)	Insulation: Min. 1.6-inch Kingspan (Pembridge) "Optim-R" Coverboard: Min. 0.5-inch XFP HD, XFP HD Plus	Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	HydroBond WB	-127.5
C-29.	Min. 2,500 psi structural concrete	Min. 0.5-inch XFP HD	Flexible DASH DT (FULL)	Insulation: Min. 1.6-inch Kingspan (Pembridge) "Optim-R" Coverboard: Min. 0.5-inch XFP HD, XFP HD Plus	Flexible DASH DT (FULL)	WeatherBond PVC or WeatherBond PVC FRS	HydroBond WB	-397.5
C-30.	Min. 2,500 psi structural concrete	Min. 0.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	HydroBond WB	-157.5
C-31.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch Carlisle EcoStorm VSH	Flexible DASH (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	HydroBond WB	-352.5
C-32.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch Carlisle EcoStorm VSH	Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	HydroBond WB	-277.5
C-33.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (FULL)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch Carlisle EcoStorm VSH	Flexible DASH DT (FULL)	WeatherBond PVC or WeatherBond PVC FRS	HydroBond WB	-352.5

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

NOTE: REFER TO [NOTE 16](#) FOR VAPOR BARRIER OPTIONS

Sys. No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-34.	Min. 2,500 psi structural concrete	Min. 0.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	HydroBond WB	-157.5
C-35.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	HydroBond WB	-180.0
C-36.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	HydroBond WB	-112.5
C-37.	Min. 2,500 psi structural concrete	Min. 0.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-157.5
C-38.	Min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-225.0
C-39.	Min. 2,500 psi structural concrete	Min. 0.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-157.5
C-40.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Flexible DASH (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-315.0
C-41.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-277.5
C-42.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (FULL)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Flexible DASH DT (FULL)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-315.0
C-43.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-112.5
C-44.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	Flexible DASH (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-67.5

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

NOTE: REFER TO [NOTE 16](#) FOR VAPOR BARRIER OPTIONS

Sys. No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-45.	Min. 2,500 psi structural concrete	Min. 0.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 7/16-inch APA rated OSB	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-157.5
C-46.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 7/16-inch APA rated OSB	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-180.0
C-47.	Min. 2,500 psi structural concrete	Min. 0.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch XFP HD, XFP HD Plus	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-157.5
C-48.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch XFP HD, XFP HD Plus	Flexible DASH (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-397.5
C-49.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch XFP HD, XFP HD Plus	Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-277.5
C-50.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (FULL)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch XFP HD, XFP HD Plus	Flexible DASH DT (FULL)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-397.5
C-51.	Min. 2,500 psi structural concrete	Min. 0.5-inch XFP HD	Flexible DASH DT (RIBBON)	Insulation: Min. 1.6-inch Kingspan (Pembridge) "Optim-R" Coverboard: Min. 0.5-inch XFP HD, XFP HD Plus	Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-127.5
C-52.	Min. 2,500 psi structural concrete	Min. 0.5-inch XFP HD	Flexible DASH DT (FULL)	Insulation: Min. 1.6-inch Kingspan (Pembridge) Coverboard: Min. 0.5-inch XFP HD, XFP HD Plus	Flexible DASH DT (FULL)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-397.5
C-53.	Min. 2,500 psi structural concrete	Min. 0.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-157.5
C-54.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch Carlisle EcoStorm VSH	Flexible DASH (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-352.5
C-55.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch Carlisle EcoStorm VSH	Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-277.5

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

NOTE: REFER TO [NOTE 16](#) FOR VAPOR BARRIER OPTIONS

Sys. No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-56.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (FULL)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch Carlisle EcoStorm VSH	Flexible DASH DT (FULL)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-352.5
C-57.	Min. 2,500 psi structural concrete	Min. 0.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-157.5
C-58.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-180.0
C-59.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-112.5
C-60.	Min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	OB500	(Optional) Additional layers of base insulation	OB500	WeatherBond PVC or WeatherBond PVC FRS	HydroBond WB	-60.0
C-61.	Min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-N, HP-W, ENRGY 3 or ACFoam II	OB500	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	WeatherBond PVC or WeatherBond PVC FRS	HydroBond WB	-60.0
C-62.	Min. 2,500 psi structural concrete	Min. 1.5-inch HP-N or ENRGY 3	OB500	(Optional) Additional layers of base insulation	OB500	WeatherBond PVC or WeatherBond PVC FRS	Low VOC PVC BA	-127.5
C-63.	Min. 2,500 psi structural concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-W or ACFoam II	OB500	(Optional) Additional layers of base insulation	OB500	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-150.0
C-64.	Min. 2,500 psi structural concrete	Min. 1.5-inch HP-N or ENRGY 3	OB500	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	OB500	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-127.5
C-65.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso, HP-W or ACFoam II	OB500	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	OB500	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-150.0

FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):

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

NOTE: REFER TO [NOTE 16](#) FOR VAPOR BARRIER OPTIONS

Sys. No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-66.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-37.5
FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):								
C-67.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	HydroBond WB	-157.5
C-68.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	HydroBond WB	-157.5
C-69.	Min. 2,500 psi structural concrete	Min. 0.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	HydroBond WB	-157.5
C-70.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	HydroBond WB	-397.5
C-71.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	HydroBond WB	-277.5
C-72.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH DT (FULL)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	HydroBond WB	-397.5
C-73.	Min. 2,500 psi structural concrete	Min. 0.5-inch XFP HD	Flexible DASH DT (RIBBON)	<u>Insulation:</u> Min. 1.6-inch Kingspan (Pembridge) "Optim-R" <u>Coverboard:</u> Min. 0.5-inch XFP HD, XFP HD Plus	Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	HydroBond WB	-127.5
C-74.	Min. 2,500 psi structural concrete	Min. 0.5-inch XFP HD	Flexible DASH DT (FULL)	<u>Insulation:</u> Min. 1.6-inch Kingspan (Pembridge) "Optim-R" <u>Coverboard:</u> Min. 0.5-inch XFP HD, XFP HD Plus	Flexible DASH DT (FULL)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	HydroBond WB	-397.5

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

NOTE: REFER TO [NOTE 16](#) FOR VAPOR BARRIER OPTIONS

Sys. No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-75.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-157.5
C-76.	Min. 2,500 psi structural concrete	Min. 0.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-157.5
C-77.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-397.5
C-78.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-277.5
C-79.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH DT (FULL)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-457.5
C-80.	Min. 2,500 psi structural concrete	Min. 0.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-157.5
C-81.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-187.5
C-82.	Min. 2,500 psi structural concrete	Min. 0.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB or min. 15/32-inch APA rated plywood	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-157.5
C-83.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB or min. 15/32-inch APA rated plywood	Flexible DASH (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-322.5
C-84.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB or min. 15/32-inch APA rated plywood	Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-277.5

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

NOTE: REFER TO [NOTE 16](#) FOR VAPOR BARRIER OPTIONS

Sys. No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-85.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (FULL)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 7/16-inch APA rated OSB or min. 15/32-inch APA rated plywood	Flexible DASH DT (FULL)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-322.5
C-86.	Min. 2,500 psi structural concrete	Min. 0.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-157.5
C-87.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-397.5
C-88.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-277.5
C-89.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH DT (FULL)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH DT (FULL)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-397.5
C-90.	Min. 2,500 psi structural concrete	Min. 0.5-inch XFP HD	Flexible DASH DT (RIBBON)	Insulation: Min. 1.6-inch Kingspan (Pembridge) "Optim-R" Coverboard: Min. 0.5-inch XFP HD, XFP HD Plus	Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-127.5
C-91.	Min. 2,500 psi structural concrete	Min. 0.5-inch XFP HD	Flexible DASH DT (FULL)	Insulation: Min. 1.6-inch Kingspan (Pembridge) "Optim-R" Coverboard: Min. 0.5-inch XFP HD, XFP HD Plus	Flexible DASH DT (FULL)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-397.5
C-92.	Min. 2,500 psi structural concrete	Min. 0.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-157.5
C-93.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-187.5
C-94.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch XP Polyiso, XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-112.5

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

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Top Ply	
FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):								
C-95.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-165.0

TABLE 3c: 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)
			Fastener (Note 11)	Density / Pattern		
RHINOBACK SYSTEMS:						
C-96.	Min. 2,500 psi structural concrete	Min. 1-inch thick, one or more layers, any combination.	HD 14-10 Fastener or CD-10 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC	1 per 5.3 ft² (6 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note A	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-45.0
C-97.	Min. 2,500 psi structural concrete	Min. 1-inch thick, one or more layers, any combination.	HD 14-10 Fastener or CD-10 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC	1 per 4.0 ft² (8 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note A	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-60.0
C-98.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination.	HD 14-10 Fastener or CD-10 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC	1 per 4.0 ft² (8 parts per 4 x 8 ft board) 2 x 2 ft grid pattern	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-67.5
C-99.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HD 14-10 Fastener or CD-10 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC	Max. 12-inch o.c. in rows max. 120-inch o.c.	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-30.0
C-100.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HD 14-10 Fastener or CD-10 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC	Max. 18-inch o.c. in rows max. 60-inch o.c.	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-37.5
C-101.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HD 14-10 Fastener or CD-10 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC	Max. 12-inch o.c. in rows max. 60-inch o.c.	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-52.5

TABLE 3c: 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)
			Fastener (Note 11)	Density / Pattern		
C-102.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HD 14-10 Fastener or CD-10 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC	Max. 6-inch o.c. in rows max. 120-inch o.c.	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-60.0
C-103.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HD 14-10 Fastener or CD-10 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC	Max. 6-inch o.c. in rows max. 60-inch o.c.	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-90.0
Notes: A. The plate/fastener combination offset 12 inch from adjacent rows.						
ISOWELD INDUCTION WELDING SYSTEMS:						
C-104.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#14-PH3 or DF-#15-PH3 with isoweld F1-P-6.8-PVC Plate	1 per 6 ft ² 2 x 3-ft grid, staggered	WeatherBond PVC or WeatherBond KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions	-37.5
C-105.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch, preliminarily attached	Dekfast DF-#14-PH3 or DF-#15-PH3 with isoweld F1-P-6.8-PVC Plate	Max. 12-inch o.c. in rows max. 60-inch o.c.	WeatherBond PVC or WeatherBond KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions	-45.0
C-106.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#14-PH3 or DF-#15-PH3 with isoweld F1-P-6.8-PVC Plate	1 per 4.0 ft ² 2 x 2-ft grid, staggered	WeatherBond PVC or WeatherBond KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions	-52.5
C-107.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#14-PH3 or DF-#15-PH3 with isoweld F1-P-6.8-PVC Plate	1 per 3.0 ft ² 1.5 x 2-ft grid, staggered	WeatherBond PVC or WeatherBond KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions	-82.5
C-108.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch, preliminarily attached	Dekfast DF-#14-PH3 or DF-#15-PH3 with isoweld F1-P-6.8-PVC Plate	Max. 6-inch o.c. in rows max. 60-inch o.c.	WeatherBond PVC or WeatherBond KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions	-90.0

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

System No.	Deck (Note 1)	Primer	Roof Cover (Note 15)		MDP (psf)
			Type	Attach	
C-109.	Min. 2,500 psi structural concrete	None	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-495.0

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP. (psf)*
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
BAREBACK MEMBRANE APPLICATIONS:								
LWC-1	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-52.5
LWC-2	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH or min. 2-inch XFP HD Composite or min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-52.5
LWC-3	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-75.0
LWC-4	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH or min. 2-inch XFP HD Composite or min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-75.0
LWC-5	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-187.5
LWC-6	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH or min. 2-inch XFP HD Composite or min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-187.5
LWC-7	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-187.5

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)*
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-8	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-350.0
LWC-9	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH or min. 2-inch XFP HD Composite or min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-350.0
LWC-10	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC or WeatherBond PVC FRS / CAV-GRIP PVC Adhesive	-350.0
LWC-11	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS / HydroBond WB	-52.5
LWC-12	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH or min. 2-inch XFP HD Composite or min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS / HydroBond WB	-52.5
LWC-13	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC or WeatherBond PVC FRS / HydroBond WB	-75.0
LWC-14	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH or min. 2-inch XFP HD Composite or min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC or WeatherBond PVC FRS / HydroBond WB	-75.0
LWC-15	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS / HydroBond WB	-187.5

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)*
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-16	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC or WeatherBond PVC FRS / HydroBond WB	-350.0
LWC-17	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP / Low VOC PVC BA	-52.5
LWC-18	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH or min. 2-inch XFP HD Composite or min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP / Low VOC PVC BA	-52.5
LWC-19	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP / Low VOC PVC BA	-75.0
LWC-20	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH or min. 2-inch XFP HD Composite or min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP / Low VOC PVC BA	-75.0
LWC-21	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP / Low VOC PVC BA	-187.5
LWC-22	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH or min. 2-inch XFP HD Composite or min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP / Low VOC PVC BA	-187.5
LWC-23	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond KEE HP / Low VOC PVC BA	-187.5

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)*
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-24	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC or WeatherBond PVC FRS / Low VOC PVC BA	-350.0
LWC-25	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH or min. 2-inch XFP HD Composite or min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP / Low VOC PVC BA	-350.0
LWC-26	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond KEE HP / Low VOC PVC BA	-350.0
FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):								
LWC-27	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-52.5
LWC-28	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH or min. 2-inch XFP HD Composite or min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-52.5
LWC-29	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-75.0
LWC-30	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH or min. 2-inch XFP HD Composite or min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-75.0

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)*
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-31	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-187.5
LWC-32	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH or min. 2-inch XFP HD Composite or min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-187.5
LWC-33	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-187.5
LWC-34	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-350.0
LWC-35	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH or min. 2-inch XFP HD Composite or min. 2-inch XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-350.0
LWC-36	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-350.0

TABLE 4B: LIGHTWEIGHT CONCRETE OVER STEEL DECK – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: LWC TO DECK, BONDED ROOF COVER

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)		Supplemental Attachment		Roof Cover (Note 15)		MDP (psf)
		Type	Treatment	Fastener	Density	Type	Attach	
BAREBACK APPLICATIONS:								
LWC-37	Min. 24 ga., Type 1.0FDV Grade 80 steel at max. 6 ft span; 5/8” puddle welds with weld washers, 8-inch o.c.	CELCORE (FL2037): Treatment: Celcore S-1 Deck Preparation Slurry LWC: Min. 370 psi, Min. 2-inch thick, Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	None	None	N/A	WeatherBond PVC	Low VOC PVC BA	-37.5
LWC-38	Min. 22 ga., Type B, Grade 33 vented steel at max. 6 ft span attached with ½-inch dia. puddle welds with weld-washers spaced 6-inch o.c.	CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A.	None	None	N/A	WeatherBond PVC	Low VOC PVC BA	-60.0
LWC-39	Min. 22 ga., Type B, Grade 33 vented steel at max. 6 ft span attached with ½-inch dia. puddle welds with weld-washers spaced 6-inch o.c.	CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A.	None	Note 2	1 per 9.0 ft²	WeatherBond PVC	Low VOC PVC BA	-67.5
LWC-40	Min. 22 ga., Type BV, Grade 40 steel at max. 6 ft span; 5/8” puddle welds, 6-inch o.c.	CELCORE (FL2037): Treatment: Celcore S-1 Deck Preparation Slurry LWC: Min. 310 psi, Min. 2-inch thick, Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	None	None	N/A	WeatherBond PVC	Low VOC PVC BA	-82.5
LWC-41	Min. 22 ga., Type B, Grade 33 vented steel at max. 6 ft span attached with ½-inch dia. puddle welds with weld-washers spaced 6-inch o.c.	CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A.	None	Note 2	1 per 1.0 ft²	WeatherBond PVC	Low VOC PVC BA	-90.0
LWC-42	Min. 20 ga., Type BV, Grade 33 steel; max. 6-ft 3-inch span; 5/8” puddle welds or Tek/5 screws spaced 6-inch o.c.	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (EPS board optional)	None	None	N/A	WeatherBond KEE HP	Low VOC PVC BA	-52.5
LWC-43	Min. 22 ga., Type BV, Grade 33 steel; max. 6-ft span; 5/8” puddle welds or Tek/5 screws spaced 6-inch o.c.	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 2-inch thick, minimum 1.0 pcf EPS holey board required)	None	None	N/A	WeatherBond KEE HP	Low VOC PVC BA	-82.5
LWC-44	Min. 22 ga., Type BV, Grade 33 steel; max. 5-ft span; 5/8” puddle welds or Tek/5 screws spaced 6-inch o.c.	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 1-inch thick, minimum 1.0 pcf EPS holey board required)	None	None	N/A	WeatherBond KEE HP	Low VOC PVC BA	-97.5
LWC-45	Min. 22 ga., Type BV, Grade 33 steel; max. 5-ft span; 5/8” puddle welds or Tek/5 screws spaced 6-inch o.c.	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 2-inch thick, minimum 1.0 pcf EPS holey board required)	None	None	N/A	WeatherBond KEE HP	Low VOC PVC BA	-112.5
FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):								

TABLE 4B: LIGHTWEIGHT CONCRETE OVER STEEL DECK – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: LWC TO DECK, BONDED ROOF COVER

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)		Supplemental Attachment		Roof Cover (Note 15)		MDP (psf)
		Type	Treatment	Fastener	Density	Type	Attach	
LWC-46	Min. 24 ga., Type 1.0FDV Grade 80 steel at max. 6 ft span; 5/8" puddle welds with weld washers, 8-inch o.c.	CELCORE (FL2037): Treatment: Celcore S-1 Deck Preparation Slurry LWC: Min. 370 psi, Min. 2-inch thick, Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Celcore PVA	None	N/A	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-37.5
LWC-47	Min. 22 ga., Type BV, Grade 40 steel at max. 6 ft span; 5/8" puddle welds, 6-inch o.c.	CELCORE (FL2037): Treatment: Celcore S-1 Deck Preparation Slurry LWC: Min. 310 psi, Min. 2-inch thick, Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Celcore PVA	None	N/A	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-82.5
FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):								
LWC-48	Min. 22 ga., Type B, Grade 33 vented steel at max. 6 ft span attached with ½-inch dia. puddle welds with weld-washers spaced 6-inch o.c.	CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A.	None	None	N/A	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-60.0
LWC-49	Min. 22 ga., Type B, Grade 33 vented steel at max. 6 ft span attached with ½-inch dia. puddle welds with weld-washers spaced 6-inch o.c.	CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A.	None	Note 2	1 per 9.0 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-67.5
LWC-50	Min. 22 ga., Type B, Grade 33 vented steel at max. 4 ft span attached with puddle welds with 3/8-inch weld-washers spaced 6-inch o.c.	CELCORE (FL2037): Min. 38 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A.	Celcore PVA	None	N/A	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-67.5
LWC-51	Min. 22 ga., Type B, Grade 33 vented steel at max. 6 ft span attached with ½-inch dia. puddle welds with weld-washers spaced 6-inch o.c.	CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A.	None	Note 2	1 per 1.0 ft ²	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-120.0
LWC-52	Min. 22 ga., Type BV, Grade 80 steel; max. 5-ft span; 5/8" puddle welds with weld-washers spaced 6-inch o.c.	CONCRECEL (FL5584 & FL10500): Deck primed with Concrecel Bonding Agent at 600 ft ² /gallon. Min. 350 psi, min. 2-inch thick, Concrecel Lightweight Insulating Concrete (Minimum 1-inch thick, minimum 1.0 pcf EPS holey board required)	(Optional) Concrecel Curing Compound	None	N/A	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	DASH (FULL)	-97.5
LWC-53	Min. 22 ga., Type BV, Grade 80 steel; max. 6-ft span; 5/8" puddle welds spaced 6-inch o.c.	CONCRECEL (FL5584 & FL10500): Min. 350 psi, min. 2-inch thick, Concrecel Lightweight Insulating Concrete (No EPS board)	None	None	N/A	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	DASH (FULL)	-105.0

**TABLE 4B: LIGHTWEIGHT CONCRETE OVER STEEL DECK – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: LWC TO DECK, BONDED ROOF COVER**

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)		Supplemental Attachment		Roof Cover (Note 15)		MDP (psf)
		Type	Treatment	Fastener	Density	Type	Attach	
LWC-54	Min. 22 ga., Type BV, Grade 80 steel; max. 6-ft span; 5/8" puddle welds with weld-washers spaced 6-inch o.c.	CONCRECEL (FL5584 & FL10500): Min. 350 psi, min. 2-inch thick, Concrecel Lightweight Insulating Concrete (Minimum 2-inch thick, minimum 1.0 pcf EPS holey board required)	None	None	N/A	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	DASH (FULL)	-135.0
LWC-55	Min. 20 ga., Type BV, Grade 33 steel; max. 6-ft 3-inch span; 5/8" puddle welds or Tek/5 screws spaced 6-inch o.c.	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (EPS board optional)	None	None	N/A	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH (FULL)	-52.5
LWC-56	Min. 22 ga., Type BV, Grade 33 steel; max. 6-ft span; 5/8" puddle welds or Tek/5 screws spaced 6-inch o.c.	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 2-inch thick, minimum 1.0 pcf EPS holey board required)	None	None	N/A	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH (FULL)	-82.5
LWC-57	Min. 22 ga., Type BV, Grade 33 steel; max. 5-ft span; 5/8" puddle welds or Tek/5 screws spaced 6-inch o.c.	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 1-inch thick, minimum 1.0 pcf EPS holey board required)	None	None	N/A	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH (FULL)	-97.5
LWC-58	Min. 22 ga., Type BV, Grade 33 steel; max. 5-ft span; 5/8" puddle welds or Tek/5 screws spaced 6-inch o.c.	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 2-inch thick, minimum 1.0 pcf EPS holey board required)	None	None	N/A	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH (FULL)	-112.5
Note	A.) If the type of LWC to be used on the project is unknown, as in a re-roof (tear-off) condition, compressive strength and fastener withdrawal resistance testing shall be conducted. Compressive strength testing shall be in accordance with ASTM C495 (for new pour) or ASTM C513 (for existing) and shall yield a minimum 200 psi result. Field withdrawal resistance testing in accordance with Note 11 shall yield an average withdrawal performance not less than 55 lbf with a Trufast FM-90 Base Sheet Fastener. If question exists as to the adhesion to the LWC surface, field testing in accordance with Note 12 is recommended. All testing shall be performed by an accredited testing agency acceptable to the Authority Having Jurisdiction.							

TABLE 4c: LIGHTWEIGHT CONCRETE OVER STRUCTURAL CONCRETE – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: LWC TO DECK, BONDED ROOF COVER

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Roof Cover (Note 15)		MDP (psf)
			Membrane	Application	
BAREBACK APPLICATIONS:					
LWC-59	Min. 2,500 psi structural concrete	CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A.	WeatherBond PVC	Low VOC PVC BA	-90.0
LWC-60	Min. 2,500 psi structural concrete	CONCRECEL (FL5584 & FL10500): Min. 350 psi, min. 2.5-inch thick, Concrecel Lightweight Insulating Concrete (EPS board optional)	WeatherBond KEE HP	Low VOC PVC BA	-330.0
LWC-61	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick cellular lightweight insulating concrete; Note: <i>To qualify the LWIC under this assembly, an OMG CR-R Assembled Base Sheet Fastener (1.7 in.) shall achieve minimum fastener withdrawal of 101 lbf per Note 11.</i>	WeatherBond KEE HP	Low VOC PVC BA	-330.0
FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):					
LWC-62	Min. 2,500 psi structural concrete	CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A.	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-232.5
LWC-63	Min. 2,500 psi structural concrete	CONCRECEL (FL5584 & FL10500): Min. 350 psi, min. 2-inch thick, Concrecel Lightweight Insulating Concrete (EPS board optional)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	DASH (FULL)	-282.5
LWC-64	Min. 2,500 psi structural concrete	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (EPS board optional)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH (FULL)	-240.0
LWC-65	Min. 2,500 psi structural concrete	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (no EPS board)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH (FULL)	-250.0
LWC-66	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick pre-existent cellular lightweight insulating concrete; Note: <i>To qualify the LWIC under this assembly, an OMG CR-R Assembled Base Sheet Fastener (1.7 in.) shall achieve a minimum fastener withdrawal of 101 lbf per Note 11.</i>	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	DASH (FULL)	-282.5
LWC-67	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick pre-existent cellular lightweight insulating concrete; Note: <i>To qualify the LWIC under this assembly, an OMG CR-R Assembled Base Sheet Fastener (1.7 in.) shall achieve a minimum fastener withdrawal of 101 lbf per Note 11.</i>	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH DT (SPATTER at 3.5-4.0 lbs/sq)	-345.0
Note:	A.) If the type of LWC to be used on the project is unknown, as in a re-roof (tear-off) condition, compressive strength and fastener withdrawal resistance testing shall be conducted. Compressive strength testing shall be in accordance with ASTM C495 (for new pour) or ASTM C513 (for existing) and shall yield a minimum 200 psi result. Field withdrawal resistance testing in accordance with Note 11 shall yield an average withdrawal performance not less than 55 lbf with a Trufast FM-90 Base Sheet Fastener. If question exists as to the adhesion to the LWC surface, field testing in accordance with Note 12 is recommended. All testing shall be performed by an accredited testing agency acceptable to the Authority Having Jurisdiction.				

TABLE 5A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

^ The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to 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 Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf) ^A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Application	
BAREBACK APPLICATIONS:								
R-1.	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	(Optional) Min. 1-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch XP-NB Polyiso or XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-145.0
R-2.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch XP-NB Polyiso or XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-145.0
R-3.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 2-inch XP-NB Polyiso or XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-145.0
R-4.	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Min. 1-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-167.0
R-5.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-167.0
R-6.	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-302.5

TABLE 5A: 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, coverboard and roof cover when adhered to 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 Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf) ^A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Application	
R-7.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	WeatherBond PVC or WeatherBond PVC FRS	CAV-GRIP PVC Adhesive	-302.5
R-8.	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Min. 1-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime or min. 0.5-inch XFP HD, XFP HD Plus	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	HydroBond WB	-167.0
R-9.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime or min. 0.5-inch XFP HD, XFP HD Plus	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC or WeatherBond PVC FRS	HydroBond WB	-167.0
R-10.	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Min. 0.25-inch DensDeck Prime or min. XFP HD, XFP HD Plus	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	WeatherBond PVC or WeatherBond PVC FRS	HydroBond WB	-302.5
R-11.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.25-inch DensDeck Prime or min. XFP HD, XFP HD Plus	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	WeatherBond PVC or WeatherBond PVC FRS	HydroBond WB	-302.5
R-12.	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	(Optional) Min. 1-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch XP-NB Polyiso or XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-145.0

TABLE 5A: 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, coverboard and roof cover when adhered to 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 Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf) ^A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Application	
R-13.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch XP-NB Polyiso or XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-145.0
R-14.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 2-inch XP-NB Polyiso or XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-145.0
R-15.	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Min. 1-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-167.0
R-16.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-167.0
R-17.	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-302.5
R-18.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	WeatherBond PVC, WeatherBond PVC FRS or WeatherBond KEE HP	Low VOC PVC BA	-302.5

FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):

TABLE 5A: 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, coverboard and roof cover when adhered to 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 Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf) ^A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Application	
R-19.	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	(Optional) Min. 1-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-37.5
R-20.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-37.5
R-21.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-37.5
FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):								
R-22.	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	(Optional) Min. 1-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch XP-NB Polyiso or XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-145.0
R-23.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch XP-NB Polyiso or XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-145.0
R-24.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 2-inch XP-NB Polyiso or XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-145.0

TABLE 5A: 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, coverboard and roof cover when adhered to 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 Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf) ^A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Application	
R-25.	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Min. 1-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-167.0
R-26.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-167.0
R-27.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-167.0
R-28.	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-302.5
R-29.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch XFP HD, XFP HD Plus or Carlisle EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-302.5

TABLE 5B: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED BASE PLY, BONDED ROOF COVER

^A The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to 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 Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf) ^A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base	Application	
FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):								
R-30.	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	(Optional) Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-165.0
R-31.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1.5-inch XP Polyiso, XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-165.0
R-32.	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	<u>None</u>	N/A	SureMB 90TG or 120TG / torch-applied	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece / Flexible DASH or Flexible DASH DT (FULL)	-165.0

TABLE 5c: 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 Layer (Note 5)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Spacing		
RHINO BOND SYSTEMS:						
R-33.	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 120-inch o.c.	One or more layers, any combination, preliminarily fastened	HP Purlin Fastener or RetroDriller Fastener with RhinoBond Plate-PVC are fastened through to purlins	Max. 12-inch o.c. along purlins	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-30.0
R-34.	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 60-inch o.c.	One or more layers, any combination, preliminarily fastened	HP Purlin Fastener or RetroDriller Fastener with RhinoBond Plate-PVC are fastened through to purlins	Max. 18-inch o.c. along purlins	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-37.5
R-35.	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 60-inch o.c.	One or more layers, any combination, preliminarily fastened	HP Purlin Fastener or RetroDriller Fastener with RhinoBond Plate-PVC are fastened through to purlins	Max. 12-inch o.c. along purlins	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-52.5
R-36.	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 120-inch o.c.	One or more layers, any combination, preliminarily fastened	HP Purlin Fastener or RetroDriller Fastener with RhinoBond Plate-PVC are fastened through to purlins	Max. 6-inch o.c. along purlins	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-60.0
R-37.	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 60-inch o.c.	One or more layers, any combination, preliminarily fastened	HP Purlin Fastener or RetroDriller Fastener with RhinoBond Plate-PVC are fastened through to purlins	Max. 6-inch o.c. along purlins	WeatherBond PVC or WeatherBond KEE HP induction welded with RhinoBond tool per manufacturer's instructions	-90.0
ISOWELD INDUCTION WELDING SYSTEM:						
R-38.	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	Dekfast DF-#12-PC-SQ3 with isoweld F1-P-6.8-PVC Plate are fastened through to purlins	Max. 12-inch o.c. along purlins	WeatherBond PVC or WeatherBond KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions	-45.0
R-39.	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	Dekfast DF-#12-PC-SQ3 with isoweld F1-P-6.8-PVC Plate are fastened through to purlins	Max. 6-inch o.c. along purlins	WeatherBond PVC or WeatherBond KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions	-90.0

TABLE 5D: 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.	Deck (Note 1)	Insulation		Roof Cover (Note 15A)			MDP (psf)
		Type	Attach	Membrane	Fastener (Note 11)	Attachment	
R-40.	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 75.5-inch o.c.	One or more layers, any combination	prelim. attach	WeatherBond PVC	HP Purlin Fastener with HPWX Plate	18-inch o.c. within 5.5-inch wide laps spaced max. 75.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-30.0
R-41.	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 75.5-inch o.c.	One or more layers, any combination	prelim. attach	WeatherBond PVC	HP Purlin Fastener with HPWX Plate	12-inch o.c. within 5.5-inch wide laps spaced max. 75.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-45.0
R-42.	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 54.5-inch o.c.	One or more layers, any combination	prelim. attach	WeatherBond PVC or WeatherBond KEE HP	HP Purlin Fastener with HPWX Plate	12-inch o.c. within 5.5-inch wide laps spaced max. 54.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-45.0
R-43.	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 75.5-inch o.c.	One or more layers, any combination	prelim. attach	WeatherBond PVC or WeatherBond KEE HP	HP Purlin Fastener with HPWX Plate	6-inch o.c. within 5.5-inch wide laps spaced max. 75.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-52.5
R-44.	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 35.5-inch o.c.	One or more layers, any combination	prelim. attach	WeatherBond PVC	HP Purlin Fastener with HPWX Plate	12-inch o.c. within 5-inch wide laps spaced max. 35.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-52.5
R-45.	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 35-inch o.c.	One or more layers, any combination	prelim. attach	WeatherBond PVC	HP Purlin Fastener with HPWX Plate	12-inch o.c. within 5.5-inch wide laps spaced max. 35-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-60.0
R-46.	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 54.5-inch o.c.	One or more layers, any combination	prelim. attach	WeatherBond PVC or WeatherBond KEE HP	HP Purlin Fastener with HPWX Plate	6-inch o.c. within 5.5-inch wide laps spaced max. 54.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-67.5
R-47.	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 54.5-inch o.c.	One or more layers, any combination	prelim. attach	Min. 60-mil WeatherBond PVC or WeatherBond KEE HP	HP Purlin Fastener with HPWX Plate	6-inch o.c. within 5.5-inch wide laps spaced max. 54.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-75.0
R-48.	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 35.5-inch o.c.	One or more layers, any combination	prelim. attach	WeatherBond PVC or WeatherBond KEE HP	HP Purlin Fastener with HPWX Plate	6-inch o.c. within 5.5-inch wide laps spaced max. 35-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-82.5

TABLE 5E: 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 adhered to 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
		Type	Attach	
FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):				
R-49.	Existing, fully-adhered EPDM	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 12)	-30.0
R-50.	Existing, fully-adhered EPDM	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 6)	-75.0
R-51.	Existing fully adhered, granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-177.0
FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):				
R-52.	Existing fully adhered, granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH (FULL)	-177.0
R-53.	Existing, fully-adhered EPDM	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH or Flexible DASH DT (FULL)	-315.0
R-54.	Existing fully adhered, granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	WeatherBond PVC Fleece or WeatherBond KEE HP Fleece	Flexible DASH DT (FULL)	-635.0