



NEMO|etc.

Certificate of Authorization #32455
353 Christian Street, Unit #13
Oxford, CT 06478
(203) 262-9245

ENGINEER

EVALUATE

TEST

CONSULT

P.E. EVALUATION REPORT (PEER)

WEATHERBOND

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

PEER-WB-003.A.R4

FL18727-R4 (NON-HVHZ)

Date of Issuance: 10/13/2015

Revision 04: 12/11/2023

SCOPE:

This P.E. Evaluation Report (henceforth 'PEER') is issued under **F.A.C. Rule 61G20-3** and the applicable rules and regulations governing the use of construction materials in the State of Florida. The documentation submitted has been reviewed by Robert Nieminen, P.E. for use of the product under the Florida Building Code. The product described herein has been evaluated for compliance with the **8th Edition (2023) Florida Building Code** [sections noted herein](#).

DESCRIPTION: WeatherBond TPO Roof Systems (NON-HVHZ)

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

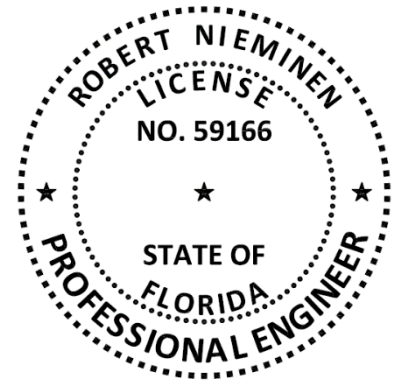
CONTINUED COMPLIANCE: This PEER is valid until such time as the named product(s) changes, the referenced Quality Assurance or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our PEERs by the named client constitutes agreement to notify NEMO 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: The Florida Product Approval Number (FL#) preceded by the words "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 90-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. This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this PEER, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

ROOFING SYSTEMS EVALUATION:
1. SCOPE:

Product Category: Roofing
Sub-Category: Single Ply Roof Systems
Product Approval Method: Method 1, Option D – Codified Material, Evaluation by Engineer
Compliance Statement: **WeatherBond TPO Roof Systems**, as produced by **WEATHERBOND**, have demonstrated compliance with the following sections of the **8th Edition (2023) Florida Building Code** through testing in accordance with the following Standards. Compliance is subject to the [Installation Requirements](#) and [Limitations of Use](#) set forth herein.

2. STANDARDS:

SECTION	PROPERTY	STANDARD
1504.3.1	Wind resistance	FM 4474
1504.3.1	Wind resistance	UL 1897
1504.6	Physical properties	ASTM G155
1504.7	Impact resistance	FM 4470
1507.11.2	Material standard	ASTM D6163
1507.11.2	Material standard	ASTM D6164
1507.12.2	Material standard	ASTM D6878

3. REFERENCES:

Entity	Examination	Reference	Date
NEMO	PEER	PEER-CRL-003.A.R31	09/29/2023
NEMO	Cross-Listing	FBC PCL	11/02/2023
UL, LLC. (QUA9625)	Traceability	ML R9853	02/27/2008
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 TPO 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 TPO	45, 60, 80-mil	ASTM D6878	N/A	N/A	MS, PA, UT
	WeatherBond TPO FR Fleece	60-mil	ASTM D6878	N/A	N/A	UT
	WeatherBond TPO Fleece	45, 60, 80-mil	ASTM D6878	N/A	N/A	MS
	WeatherBond TPO Fleece	60-mil	ASTM D6878	N/A	N/A	UT
	WeatherBond TPO AC Fleece	45, 60, 80-mil	ASTM D6878	N/A	N/A	MS
	WeatherBond PAS TPO	60, 80-mil	ASTM D6878	N/A	N/A	UT
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 FBC requirements to the satisfaction of the Authority Having Jurisdiction.
- 5.4 This PEER does not include evaluation of fire classification. Refer to **FBC 1505** for requirements and limitations regarding roof assembly fire classification. Refer to **FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.
- 5.5 This PEER does not include evaluation of roof edge termination. Refer to **FBC 1504.5** for requirements and limitations regarding edge securement for low-slope roofs.
- 5.6 Refer to **FBC 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 1504.9** has already been applied). Refer to **FBC 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 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 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 TPO 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 90-PAGES THAT FOLLOW FORM PART OF THIS PEER -

FBC NON-HVHZ

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	6
1B	Wood	New, Reroof (Tear-Off), Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	7
1C	Wood	New, Reroof (Tear-Off), Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Base Ply, Bonded Roof Cover	9
1D	Wood	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	9
1E	Wood	New, Reroof (Tear-Off), Recover	C-2	Mechanically Attached Insulation, Plate-Bonded Roof Cover	11
1F	Wood	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover	13
1G	Wood	New, Reroof (Tear-Off), Recover	D-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	13
1H	Wood	New, Reroof (Tear-Off), Recover	E-1	Non-Insulated, Mechanically Attached Roof Cover	13
1I	Wood	New, Reroof (Tear-Off), Recover	E-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	14
2A	Steel	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	15
2B	Steel or structural concrete	New, Reroof (Tear-Off), Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	16
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	24
2D	Steel	New, Reroof (Tear-Off), Recover	B-2	Mechanically Attached Thermal Barrier, Bonded Vapor Barrier, Bonded Insulation, Bonded Roof Cover	25
2E	Steel or structural concrete	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	28
2F	Steel or structural concrete	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Base Ply, Bonded Roof Cover	38
2G	Steel	New, Reroof (Tear-Off), Recover	C-2	Mechanically Attached Insulation, Plate-Bonded Roof Cover	39
2H	Steel or structural concrete	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover (Stress Plate)	42
2I	Steel or structural concrete	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover (RUSS Strips)	49
3A	Structural concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	50
3B	Structural concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Base Ply, Bonded Roof Cover	66
3C	Structural concrete	New, Reroof (Tear-Off), Recover	C-2	Mechanically Attached Insulation, Plate-Bonded Roof Cover	67
3D	Structural concrete	New, Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	69
4A	Deck with Lightweight concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	70
4B	Deck with Lightweight concrete	New, Reroof (Tear-Off)	A-2	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	72
4C	Deck with Lightweight concrete	New, Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	73
4D	Deck with Lightweight concrete	New, Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	76
5A	Various	Recover	A-1	Bonded Insulation, Bonded Roof Cover	78
5B	Various	Recover	A-1	Bonded Insulation, Bonded Base Ply, Bonded Roof Cover	83
5C	Steel	Recover	C-2	Mechanically Attached Insulation, Plate-Bonded Roof Cover	85
5D	Steel	Recover	D-1	Insulated, Mechanically Attached Roof Cover	86
5E	Steel	Recover	D-2	Insulated, Mechanically Attached Roof Cover (RUSS Strips)	87
5F	Various	Recover	E-1	Non-Insulated, Mechanically Attached Roof Cover	88
5G	Various	Recover	F-1	Non-Insulated, Bonded Roof Cover	89
5H	Various	Recover	F-2	New LWC over Existing Roof, Bonded Roof Cover	90

The following notes apply to the systems outlined herein:

- 1 The roof system evaluation herein pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction.
 - 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 ¼-inch plywood penetration or minimum 1-inch wood plank embedment
Steel		HPW Fastener with Insulation Fastening Plate	Minimum ¼-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 1.25-inch embedment. Fastener installed with a pilot hole in accordance with the fastener manufacturer's published installation instructions

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

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 (SPLATTER)	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 (SPLATTER)	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 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 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 1511 for requirements and limitations regarding recover installations. For Structural Concrete Deck or Recover Applications using System Type C-1 the base insulation layer is optional and for System Type C-2, D-1 or D-2, the insulation is optional. Alternatively, an FBC Approved insulation board or coverboard may be used as a separation layer. Board products shall be preliminarily attached prior to roof cover installation ([Note 5](#)). The separator component shall be documented as meeting FBC 1505 and, for foam plastic, FBC Chapter 26, when installed with the roof cover in Recover applications.
- 14 Lightweight insulating concrete (LWIC) shall be cast in accordance with FBC Section 1917 to the satisfaction of the Authority Having Jurisdiction. For systems where specific LWIC is referenced, refer to current LWIC Product Approval for specific deck construction and limitations. Unless otherwise noted, for systems where specific LWIC is not referenced, the minimum design mix shall be 300 psi. In all cases, the minimum top-coat thickness is 2-inches. For LWIC over structural concrete, reference is made to FBC Section 1917.4.1, Point 1. For "pre-existent" LWIC references, listings were established through testing over lightweight concrete cast using only foaming agent (ASTM C896), water and Portland cement (ASTM C150), with no proprietary additives, in accordance with procedures adopted by Miami-Dade BCCO (FBC CER1592). Use of these listings in new construction or re-roof (tear-off) applications is at the discretion of the Designer or Record and Authority Having Jurisdiction.

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

MEMBRANE / ADHESIVE COMBINATIONS			
MEMBRANE	ADHESIVE	APPLICATION	RATE
WeatherBond TPO	WeatherBond TPO Bonding Adhesive (WB-TPO-BA)	Contact (both sides)	0.83 gal/square per surface [(1.66 gal/square (60 ft ² /gal) finish]
WeatherBond TPO	Aqua Base 120 Bonding Adhesive (Aqua Base 120)	Contact (both sides)	0.42 gal/square per surface [0.84 gal/square (120 ft ² /gal) finish]
WeatherBond TPO	Low VOC Bonding Adhesive (LVOC BA)	Contact (both sides)	0.83 gal/square per surface [(1.66 gal/square (60 ft ² /gal) finish]
WeatherBond TPO	CAV-GRIP III Adhesive/Primer (CAV-GRIP III AP)	Contact (both sides)	0.225 gal/square per surface [0.45 gal/square (222 ft ² /gal) finish]
WeatherBond TPO Fleece	Aqua Base 120 Bonding Adhesive	Wet lay (substrate)	0.83 gal/square (120 ft ² /gal)
WeatherBond TPO Fleece	HydroBond Water-Based Adhesive (HydroBond WB)	Wet lay (substrate)	0.75 to 1 gal/square (100 to 133 ft ² /gal)
WeatherBond TPO 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 TPO Fleece	Flexible DASH Dual-Tank (Flexible DASH DT)	Wet lay (substrate)	RIBBON spaced as noted herein or FULL Coverage = 1 gal/square, continuous ribbons, maximum 4-inch o.c. or splatter-applied at 0.4 gal/square (wet) = 3.7 lb/square (dry)
WeatherBond TPO AC Fleece	WeatherBond Cold Applied Adhesive (WB-CAA)	Wet lay (substrate)	1.5 gal/square
WeatherBond TPO AC Fleece	Hot asphalt	Wet lay (substrate)	25 lbs/square

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, A-2, B-1, B-2 or C-1 involving WeatherBond TPO adhered in CAV-GRIP III Adhesive/Primer over WB XFP Polyiso, WB XFP HD, WB XFP HD Plus, G-P Gypsum “DensDeck Prime” or USG “SECUROCK Gypsum-Fiber Roof Board”, 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

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-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

17 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.

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

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	InsulBase, XP Polyiso NH, H-Shield, H-Shield NH	FL5968
		XFP Polyiso	SecurShield, XFP Polyiso NH, H-Shield CG, H-Shield CG NH	
		XFP HD	SecurShield HD XFP HD NH, H-Shield HD, H-Shield HD NH	
		XFP HD Plus	SecurShield HD Plus, XFP HD Plus NH, H-Shield HD90, H-Shield HD90 NH	
		XFP HD Composite	SecurShield HD Composite, H-Shield HD Composite	
		XP-NB Polyiso	StormBase, 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 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		
WEATHERBOND TPO MEMBRANE APPLICATIONS:										
W-1.	7/16-inch APA rated OSB; 2 ft spans	None	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-45.0*	
W-2.	7/16-inch APA rated OSB; 2 ft spans	None	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH, min. 1.5-inch WB XFP HD Composite or min. 2-inch WB XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-45.0*	
W-3.	Min. 15/32-inch APR rated CDX plywood; 2 ft spans	None	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-67.5	
W-4.	Min. 15/32-inch APR rated CDX plywood; 2 ft spans	None	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH, min. 1.5-inch WB XFP HD Composite or min. 2-inch WB XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-67.5	
WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (FULL BOND):										
W-5.	7/16-inch APA rated OSB; 2 ft spans	None	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*	
W-6.	7/16-inch APA rated OSB; 2 ft spans	None	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH, min. 1.5-inch WB XFP HD Composite or min. 2-inch WB XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*	
W-7.	Min. 15/32-inch APR rated CDX plywood; 2 ft spans	None	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (FULL) or HydroBond 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 spans	None	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH, min. 1.5-inch WB XFP HD Composite or min. 2-inch WB XP-NB Polyiso		Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO 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	Type	Attach (Notes 6,7,8)			
WEATHERBOND TPO MEMBRANE APPLICATIONS:									
W-9.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch WB XP Polyiso, H-Shield, WB 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 TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-37.5
W-10.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch WB XP Polyiso, H-Shield, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH, min. 1.5-inch WB XFP HD Composite or min. 2-inch WB XP-NB Polyiso		Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-37.5
W-11.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch WB XP Polyiso, H-Shield, WB 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 TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-60.0
W-12.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch WB XP Polyiso, H-Shield, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH, min. 1.5-inch WB XFP HD Composite or min. 2-inch WB XP-NB Polyiso		Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-60.0

WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (PARTIAL BOND):

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	Type	Attach (Notes 6,7,8)		
W-13.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch WB XP Polyiso, H-Shield, WB 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 TPO Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-37.5
W-14.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch WB XP Polyiso, H-Shield, WB 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 WB XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-37.5
W-15.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch WB XP Polyiso, H-Shield, WB 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 WB XFP HD or WB XFP HD Plus	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-60.0
WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (FULL BOND):								
W-16.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch WB XP Polyiso, H-Shield, WB 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 TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-37.5
W-17.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch WB XP Polyiso, H-Shield, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH, min. 1.5-inch WB XFP HD Composite or min. 2-inch WB XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-37.5
W-18.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch WB XP Polyiso, H-Shield, WB 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 TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-60.0
W-19.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch WB XP Polyiso, H-Shield, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH, min. 1.5-inch WB XFP HD Composite or min. 2-inch WB XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO 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	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (PARTIAL BOND):									
W-20.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch WB XP Polyiso, H-Shield, WB 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. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-37.5
W-21.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch WB XP Polyiso, H-Shield, WB 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 DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-60.0
WEATHERBOND TPO AC FLEECE MEMBRANE APPLICATIONS:									
W-22.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch WB XP Polyiso, H-Shield, WB 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	hot asphalt, Flexible DASH (RIBBON) or Flexible DASH DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO AC Fleece / WB-CAA or hot asphalt	-37.5
W-23.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch WB XP Polyiso, H-Shield, WB 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	hot asphalt, Flexible DASH (RIBBON) or Flexible DASH DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO AC Fleece / WB-CAA or hot asphalt	-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		
WEATHERBOND TPO MEMBRANE APPLICATIONS:							
W-24.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch WB XFP HD, WB XFP HD Plus or EcoStorm VSH	WeatherBond Insulation Fastener with SecurFast Insulation Fastening Plate	1 per 2.0 ft ²	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-30.0
W-25.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 2-inch WB XP Polyiso, H-Shield, WB XFP Polyiso, H-Shield CG or WB XFP HD Composite	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.7 ft ²	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-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		
W-26.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch WB XFP HD, WB XFP HD Plus or EcoStorm VSH	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.0 ft ²	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-37.5
W-27.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(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 TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-45.0*
W-28.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(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 TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-45.0
W-29.	Min. 23/32-inch plywood; 2-ft spans	(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 TPO / CAV-GRIP III AP or LVOC BA	-45.0*
W-30.	Min. 19/32-inch plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II, WB XP Polyiso, WB XFP Polyiso or ENRGY 3	Note 2	1 per 2.0 ft ²	WeatherBond TPO / Aqua Base 120, CAV-GRIP III AP or WB-TPO-BA	-45.0*
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 WB XP Polyiso, H-Shield, WB XFP Polyiso, H-Shield CG or WB XFP HD Composite	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.0 ft ²	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-60.0
W-32.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(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 TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-60.0
W-33.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(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 TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-67.5
W-34.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(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 TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-75.0
WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (FULL BOND):							
W-35.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch WB XFP HD, WB XFP HD Plus or EcoStorm VSH	WeatherBond Insulation Fastener with SecurFast Insulation Fastening Plate	1 per 2.0 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-30.0
W-36.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 2-inch WB XP Polyiso, H-Shield, WB XFP Polyiso, H-Shield CG or WB XFP HD Composite	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.7 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-37.5
W-37.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch WB XFP HD, WB XFP HD Plus or EcoStorm VSH	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.0 ft ²	WeatherBond TPO 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		
W-38.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(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 TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-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. 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 TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0
W-40.	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 TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
W-41.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 2-inch WB XP Polyiso, H-Shield, WB XFP Polyiso, H-Shield CG or WB XFP HD Composite	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 2.0 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-60.0
W-42.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(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 TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-60.0
W-43.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime	WeatherBond Insulation Fastener with Insulation Fastening Plate	1 per 1.8 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-67.5
W-44.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(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 TPO 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: MECHANICALLY ATTACHED INSULATION, PLATE-BONDED ROOF COVER**

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Density		
RHINOBOND SYSTEMS:						
W-45.	Min. 15/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 6 ft ² (2 x 3 ft grid pattern)	WeatherBond TPO induction welded with RhinoBond tool per manufacturer's instructions.	-22.5*
W-46.	Min. 15/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 4.0 ft ² (2 x 2 ft grid pattern)	WeatherBond TPO induction welded with RhinoBond tool per manufacturer's instructions.	-30.0

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

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Density		
W-47.	Min. 15/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 4.0 ft ² (2 x 2 ft grid pattern)	WeatherBond TPO induction welded with RhinoBond tool per manufacturer's instructions.	-37.5*
W-48.	Min. 19/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 6 ft ² (2 x 3 ft grid pattern)	WeatherBond TPO induction welded with RhinoBond tool per manufacturer's instructions.	-45.0*
W-49.	Min. 15/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 2.7 ft ² (12 parts per 4x8 ft board)	WeatherBond TPO induction welded with RhinoBond tool per manufacturer's instructions.	-45.0
W-50.	Min. 15/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	6-inch o.c. in rows 60-inch o.c.	WeatherBond TPO induction welded with RhinoBond tool per manufacturer's instructions.	-60.0
W-51.	Min. 19/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 2.7 ft ² (12 parts per 4x8 ft board)	WeatherBond TPO induction welded with RhinoBond tool per manufacturer's instructions.	-67.5
ISOWELD INDUCTION WELDING SYSTEM:						
W-52.	Min. 15/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate	1 per 6 ft ² (2 x 3 ft grid pattern)	WeatherBond TPO induction welded with SFS isoweld® 3000 stand-up tool.	-22.5*
W-53.	Min. 15/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate	1 per 4.0 ft ² (2 x 2 ft grid pattern)	WeatherBond TPO induction welded with SFS isoweld® 3000 stand-up tool.	-30.0
W-54.	Min. 15/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate	1 per 4.0 ft ² (2 x 2 ft grid pattern)	WeatherBond TPO induction welded with SFS isoweld® 3000 stand-up tool.	-37.5*
W-55.	Min. 19/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate	1 per 6 ft ² (2 x 3 ft grid pattern)	WeatherBond TPO induction welded with SFS isoweld® 3000 stand-up tool.	-45.0*
W-56.	Min. 15/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate	1 per 2.7 ft ² (12 parts per 4x8 ft board)	WeatherBond TPO induction welded with SFS isoweld® 3000 stand-up tool.	-45.0
W-57.	Min. 15/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate	6-inch o.c. in rows 60-inch o.c.	WeatherBond TPO induction welded with SFS isoweld® 3000 stand-up tool.	-60.0
W-58.	Min. 19/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate	1 per 2.7 ft ² (12 parts per 4x8 ft board)	WeatherBond TPO induction welded with SFS isoweld® 3000 stand-up tool.	-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 (Note 15)						MDP (psf)
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	
W-59.	Min. 19/32-inch CDX plywood or wood plank; 2 ft spans	One or more layers, any combination	Prelim. Attach	WeatherBond TPO, min. 60-mil or WeatherBond TPO FR Fleece	WeatherBond HPWX Fastener and HPWX Plate	12-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-22.5
W-60.	Min. 19/32-inch CDX plywood or wood plank; 2 ft spans	One or more layers, any combination	Prelim. Attach	WeatherBond TPO Fleece	WeatherBond HPWX Fastener and HPWX Plate	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-37.5
W-61.	Min. 19/32-inch CDX plywood or wood plank; 2 ft spans	One or more layers, any combination	Prelim. Attach	WeatherBond TPO, min. 60-mil or WeatherBond TPO FR Fleece	WeatherBond HPWX Fastener and HPWX Plate	6-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-45.0
W-62.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	One or more layers, any combination	Prelim. attach	WeatherBond TPO, min. 60-mil	WeatherBond HPWX-XL Fastener and HPWX-XL Plate	12-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-45.0
W-63.	Min. 19/32-inch CDX plywood or wood plank; 2 ft spans	One or more layers, any combination	Prelim. attach	WeatherBond TPO FR Fleece	WeatherBond HPWX-XL Fastener and HPWX-XL Plate	6-inch o.c.	5.5-inch	54.5-inch o.c.	1.5-inch outside	-45.0
W-64.	Min. 19/32-inch plywood or wood plank; 2-ft spans	One or more layers, any combination	Prelim. attach	WeatherBond TPO	WeatherBond HPWX Fastener and HPWX Plate or #15 Roofgrip with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-52.5
W-65.	Min. 19/32-inch plywood or wood plank; 2-ft spans	One or more layers, any combination	Prelim. attach	WeatherBond TPO	WeatherBond HPWX Fastener and HPWX Plate or #15 Roofgrip with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	66.5-inch o.c.	1.5-inch outside	-67.5

**TABLE 1G: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER**

System No.	Deck (Note 1)	Insulation (Note 3, Note 13)		Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Type	Attach	Base Sheet	Fastener (Note 2, Note 11)	Attach	Membrane	Adhesive	
W-66.	Min. 19/32-inch plywood; 2-ft spans	One or more layers, any combination	Loose-laid	Atlas Summit Synthetic Underlayment	WeatherBond Insulation Fastener and 2" Seam Fastening Plate	12-inch o.c. at the 4-inch laps and 12-inch o.c. at three, equally spaced rows in the center of the sheet.	WeatherBond PAS TPO	Self-adhered	-120.0

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

System No.	Deck (Note 1)	Thermal Barrier		Roof Cover (Note 15)						MDP (psf)
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	
W-67.	Min. 19/32-inch CDX plywood or wood plank; 2 ft spans	(Optional) Any approved thermal barrier	Prelim. Attach	WeatherBond TPO, min. 60-mil or WeatherBond TPO FR Fleece	WeatherBond HPWX Fastener and HPWX Plate	12-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-22.5
W-68.	Min. 19/32-inch CDX plywood or wood plank; 2 ft spans	(Optional) Any approved thermal barrier	Prelim. Attach	WeatherBond TPO Fleece	WeatherBond HPWX Fastener and HPWX Plate	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-37.5
W-69.	Min. 19/32-inch CDX plywood or wood plank; 2 ft spans	(Optional) Any approved thermal barrier	Prelim. Attach	WeatherBond TPO, min. 60-mil or WeatherBond TPO FR Fleece	WeatherBond HPWX Fastener and HPWX Plate	6-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-45.0
W-70.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) Any approved thermal barrier	Prelim. Attach	WeatherBond TPO, min. 60-mil	WeatherBond HPWX-XL Fastener and HPWX-XL Plate	12-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-45.0
W-71.	Min. 19/32-inch CDX plywood or wood plank; 2 ft spans	(Optional) Any approved thermal barrier	Prelim. Attach	WeatherBond TPO FR Fleece	WeatherBond HPWX-XL Fastener and HPWX-XL Plate	6-inch o.c.	5.5-inch	54.5-inch o.c.	1.5-inch outside	-45.0
W-72.	Min. 19/32-inch plywood; 2-ft spans	(Optional) Any approved thermal barrier	Prelim. Attach	WeatherBond TPO or WeatherBond TPO FR Fleece	WeatherBond HPWX Fastener and HPWX Plate or #15 Roofgrip with 2-3/8" Eyehook Seam Plate (AccuSeam) installed through wood sheathing to engage structural members	6-inch o.c.	5.5-inch	48-inch o.c. (over structural members)	1.5-inch outside	-75.0

**TABLE 1I: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER**

System No.	Deck (Note 1)	Thermal Barrier		Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Type	Attach	Base Sheet	Fastener (Note 2, Note 11)	Attach	Membrane	Adhesive	
W-73.	Min. 19/32-inch plywood; 2-ft spans	(Optional) Any approved thermal barrier	Loose-laid	Atlas Summit Synthetic Underlayment	WeatherBond Insulation Fastener and 2" Seam Fastening Plate	12-inch o.c. at the 4-inch laps and 12-inch o.c. at three, equally spaced rows in the center of the sheet.	WeatherBond PAS TPO	Self-adhered	-120.0

**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	
WEATHERBOND TPO MEMBRANE APPLICATIONS:									
SC-1	Min. 22 ga., type B, Grade 33 steel	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch WB XP Polyiso, WB 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 TPO	LVOC BA	-52.5
SC-2	Min. 22 ga., type B, Grade 33 steel	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch WB XP Polyiso, WB 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 TPO	WB-TPO-BA	-75.0
SC-3	Min. 22 ga., type B, Grade 33 steel	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	<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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH or min. 1.5-inch WB XFP Polyiso, WB XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	LVOC BA or WB-TPO-BA	-82.5
SC-4	Min. 22 ga., type B, Grade 33 steel	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso and/or WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	CAV-GRIP III AP	-82.5
SC-5	Min. 22 ga., type B, Grade 33 steel	(Optional) VapAir Seal MD, self-adhering	(Optional) Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch WB XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-82.5
SC-6	Min. 22 ga., type B, Grade 33 steel	None	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	None	N/A	WeatherBond TPO	CAV-GRIP III AP or WB-TPO-BA	-105.0
WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (FULL BOND):									
SC-7	Min. 22 ga., type B, Grade 33 steel	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso and/or WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (FULL)	-82.5
SC-8	Min. 22 ga., type B, Grade 33 steel	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso and/or WB 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 min. 0.5-inch WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	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-9	Min. 22 ga., type B, Grade 33 steel	(Optional) VapAir Seal MD, self-adhering	(Optional) Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 2-inch WB XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (FULL)	-82.5
SC-10	Min. 22 ga., type B, Grade 33 steel	None	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange)	None	N/A	WeatherBond TPO 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	Type	Attach (Notes 6,7,8)		
WEATHERBOND TPO MEMBRANE APPLICATIONS:								
SC-11	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 TPO / Aqua Base 120, CAV-GRIP III AP or WB-TPO-BA	-37.5*
SC-12	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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 SECUROCK Ultralight Coated Glass-Mat Roof Board	Flexible DASH (RIBBON)	WeatherBond TPO / WB-TPO-BA	-37.5*
SC-13	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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 SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO / Aqua Base 120, CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-45.0*
SC-14	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 ft ²	Min. 2.0-inch Insulfoam HD Composite	Flexible DASH (RIBBON, 6-inch o.c.)	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-45.0*
SC-15	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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 WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO (min. 60-mil) / CAV-GRIP III AP or WB-TPO-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	Type	Attach (Notes 6,7,8)		
SC-16	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB 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 WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond TPO (min. 60-mil) / CAV-GRIP III AP or WB-TPO-BA	-52.5
SC-17	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond TPO / CAV-GRIP III AP or LVOC BA	-52.5
SC-18	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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, WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO (min. 60-mil) / CAV-GRIP III AP or WB-TPO-BA	-60.0
SC-19	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-60.0
SC-20	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB 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, WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond TPO (min. 60-mil) / CAV-GRIP III AP or WB-TPO-BA	-67.5
SC-21	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB 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 WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond TPO (min. 60-mil) / CAV-GRIP III AP or WB-TPO-BA	-75.0
SC-22	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (FULL)	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-82.5
SC-23	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB 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 WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (FULL)	WeatherBond TPO (min. 60-mil) / CAV-GRIP III AP or WB-TPO-BA	-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	Type	Attach (Notes 6,7,8)		
SC-24	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB 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, SECUROCK Gypsum-Fiber Roof Board, WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (FULL)	WeatherBond TPO (min. 60-mil) / CAV-GRIP III AP or WB-TPO-BA	-82.5
SC-25	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (FULL)	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-90.0
SC-26	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB 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, SECUROCK Gypsum-Fiber Roof Board, WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (FULL)	WeatherBond TPO (min. 60-mil) / CAV-GRIP III AP or WB-TPO-BA	-112.5
SC-27	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB 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 WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (FULL)	WeatherBond TPO (min. 60-mil) / CAV-GRIP III AP or WB-TPO-BA	-135.0
SC-28	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 ACFoam II, WB XP Polyiso, WB XFP Polyiso, ENRGY 3 followed by Min. 0.25-inch DensDeck Prime	OB500	WeatherBond TPO / Aqua Base 120, CAV-GRIP III AP or WB-TPO-BA	-37.5*
SC-29	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB XFP Polyiso	Note 2	1 per 4.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	WeatherBond TPO / Aqua Base 120, CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-37.5*
SC-30	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, WB XP Polyiso, WB XFP Polyiso, ENRGY 3	Note 2	1 per 2.0 ft ²	Additional layers of base insulation	OB500	WeatherBond TPO / Aqua Base 120, CAV-GRIP III AP or WB-TPO-BA	-45.0*
SC-31	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, WB XP Polyiso, WB XFP Polyiso, ENRGY 3	Note 2	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1.5-inch WB XFP HD Composite	OB500	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-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	Type	Attach (Notes 6,7,8)		
SC-32	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, WB XP Polyiso, WB XFP Polyiso, ENRGY 3	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	OB500	WeatherBond TPO / Aqua Base 120 or WB-TPO-BA	-45.0*
SC-33	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, WB XP Polyiso, WB XFP Polyiso, ENRGY 3	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 TPO / CAV-GRIP III AP	-45.0*
SC-34	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 ACFoam II, WB XP Polyiso, WB XFP Polyiso, ENRGY 3	OB500	WeatherBond TPO / Aqua Base 120, CAV-GRIP III AP or WB-TPO-BA	-45.0*
SC-35	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch ACFoam II, WB XP Polyiso, WB XFP Polyiso, ENRGY 3	Note 2	1 per 4.0 ft ²	Additional layers of base insulation	OB500	WeatherBond TPO / Aqua Base 120, CAV-GRIP III AP or WB-TPO-BA	-45.0*
SC-36	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch ACFoam II, WB XP Polyiso, WB XFP Polyiso, ENRGY 3	Note 2	1 per 4.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1.5-inch WB XFP HD Composite	OB500	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-45.0*
SC-37	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch ACFoam II, WB XP Polyiso, WB XFP Polyiso, ENRGY 3	Note 2	1 per 4.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck, DensDeck Prime	OB500	WeatherBond TPO / Aqua Base 120 or WB-TPO-BA	-45.0*
SC-38	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch ACFoam II, WB XP Polyiso, WB XFP Polyiso, ENRGY 3	Note 2	1 per 4.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	OB500	WeatherBond TPO / CAV-GRIP III AP	-45.0*
SC-39	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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 SECUROCK Gypsum-Fiber Roof Board	OB500	WeatherBond TPO / Aqua Base 120, CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-45.0*
SC-40	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB XFP Polyiso	Note 2	1 per 2.7 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	WeatherBond TPO / Aqua Base 120, CAV-GRIP III AP, LVOC BA or WB-TPO-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	Type	Attach (Notes 6,7,8)		
SC-41	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB XFP Polyiso	Note 2	1 per 1.6 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	WeatherBond TPO / Aqua Base 120, CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-60.0
WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (PARTIAL BOND):								
SC-42	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch Dens Deck 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 TPO Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-37.5*
SC-43	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso, 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	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-37.5*
SC-44	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 TPO Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-37.5*
SC-45	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso, 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 TPO Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
SC-46	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Note 2	1 per 3.2 ft ²	Min. 1.5-inch additional layers of base insulation or min. 2-inch WB XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
SC-47	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB XFP Polyiso	Note 2	1 per 4.0 ft ²	Min. 1-inch additional layers of base insulation or min. 2-inch WB XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
SC-48	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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 Prime	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-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	Type	Attach (Notes 6,7,8)		
SC-49	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB XFP Polyiso	Note 2	1 per 4.0 ft ²	<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 TPO Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (FULL BOND):								
SC-50	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 TPO Fleece / AquaBase 120 or Flexible DASH or Flexible DASH DT (FULL)	-37.5*
SC-51	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 ft ²	Min. 2.0-inch Insulfoam HD Composite	Flexible DASH (RIBBON, 6-inch o.c.)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
SC-52	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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 SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON 6-inch o.c.)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL).	-45.0*
SC-53	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Note 2	1 per 3.2 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1.0-inch base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
SC-54	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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 Prime	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
SC-55	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch WB XP Polyiso, WB XFP Polyiso	Note 2	1 per 4.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1.0-inch base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
SC-56	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch WB XP Polyiso, WB XFP Polyiso	Note 2	1 per 4.0 ft ²	<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 TPO Fleece / Flexible DASH 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 WB XP Polyiso, WB 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 WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-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	Type	Attach (Notes 6,7,8)		
SC-58	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB 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 WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-52.5
SC-59	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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, WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-60.0
SC-60	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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 SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-60.0
SC-61	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB 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, WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-67.5
SC-62	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB 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 SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-67.5
SC-63	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB 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 WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-75.0
SC-64	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Note 2	1 per 1.6 ft ²	Min. 1.0-inch base insulation or minimum 2-inch WB XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-82.5
SC-65	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (FULL)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-82.5
SC-66	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB 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 WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (FULL)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-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	Type	Attach (Notes 6,7,8)		
SC-67	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB 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, WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (FULL)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-82.5
SC-68	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB 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 TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-82.5
SC-69	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (FULL)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-90.0
SC-70	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB 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, WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (FULL)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-112.5
SC-71	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB 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 TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-112.5
SC-72	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB 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 WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (FULL)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-135.0

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	Type	Attach (Notes 6,7,8)	Base Ply	Top Ply	
WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (PARTIAL BOND):									
SC-73	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft ²	<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 TPO Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
SC-74	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft ²	<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 TPO Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
SC-75	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB 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 or SECUROCK Gypsum-Fiber Roof Board	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-75.0
WEATHERBOND TPO AC FLEECE MEMBRANE APPLICATIONS:									
SC-76	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO AC Fleece / WB-CAA or hot asphalt	-45.0*
SC-77	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB XFP Polyiso	Note 2	1 per 1.6 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO AC Fleece / WB-CAA or hot asphalt	-60.0
SC-78	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft ²	<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)	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO AC Fleece / WB-CAA or hot asphalt	-45.0*
SC-79	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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 Prime	Flexible DASH or Flexible DASH DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO AC Fleece / WB-CAA or hot asphalt	-45.0*

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	Type	Attach (Notes 6,7,8)	Base Ply	Top Ply	
SC-80	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	OB500	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO AC Fleece / WB-CAA or hot asphalt	-45.0*
SC-81	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	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	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO AC Fleece / WB-CAA or hot asphalt	-45.0*
SC-82	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB XFP Polyiso	Note 2	1 per 1.6 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500, 6-inch o.c.	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO AC Fleece / WB-CAA or hot asphalt	-60.0

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 Layer		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 2, Note 11)	Attach			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
WEATHERBOND TPO MEMBRANE APPLICATIONS:												
SC-83	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 WB XP Polyiso, WB 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	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-45.0*
SC-84	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 WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layers base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO / CAV-GRIP III AP or WB-TPO-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 Layer		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 2, Note 11)	Attach			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
SC-85	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 WB XP Polyiso, WB XFP Polyiso	Flexible DASH (RIBBON)	(Optional) Additional layers base insulation	Flexible DASH (RIBBON)	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-52.5
SC-86	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 WB XP Polyiso, WB 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 TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-67.5
SC-87	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 WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-67.5
WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (PARTIAL BOND):												
SC-88	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 WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch WB XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
SC-89	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 WB XP Polyiso, WB 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	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-45.0*
WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (FULL BOND):												

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 Layer		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 2, Note 11)	Attach			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
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 WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
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 4.0 ft ²	None	SureMB 90TG or SureMB 120TG, torch-applied	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layers base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-92	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 WB XP Polyiso, WB XFP Polyiso	Flexible DASH (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	Flexible DASH (RIBBON)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-52.5
SC-93	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 WB XP Polyiso, WB 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 TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-67.5
SC-94	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 WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO 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		
WEATHERBOND TPO MEMBRANE APPLICATIONS:							
SC-95	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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 TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-30.0*
SC-96	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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 TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-30.0*
SC-97	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso, loose laid	Min. 0.5-inch WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Steel: InsulFast with ACCUTRAC Fastening Plate Concrete: WeatherBond HD 14-10 or CD-10 with ACCUTRAC Insulation Fastening Plate	1 per 4.0 ft ²	WeatherBond TPO / CAV-GRIP III AP or WB-TPO-BA	-30.0*
SC-98	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 7/16-inch APA or TECO rated OSB	Trufast SIP LD Fastener	1 per 3.2 ft ²	WeatherBond TPO / Aqua Base 120, CAV-GRIP III AP or WB-TPO-BA	-37.5*
SC-99	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. 1-inch ACFoam II or ENRGY 3	Note 2	1 per 1.6 ft ²	WeatherBond TPO / Aqua Base 120 or WB-TPO-BA	-37.5*
SC-100	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 TPO / CAV-GRIP III AP or LVOC BA	-37.5*
SC-101	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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Note 2	1 per 2.7 ft ²	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-37.5*
SC-102	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 TPO / Aqua Base 120, CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-37.5*
SC-103	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	InsulFAST Fastener with SecurFAST Insulation Fastening Plate	1 per 2.7 ft ²	WeatherBond TPO / WB-TPO-BA	-37.5*
SC-104	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Steel: InsulFast with SecurFast Insulation Fastening Plate Concrete: WeatherBond HD 14-10 or CD-10 with SecurFast Insulation Fastening Plate	1 per 5.3 ft ²	WeatherBond TPO / Aqua Base 120, CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-37.5*
SC-105	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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 TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-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		
SC-106	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.625-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	OMG #12 Standard, OMG #14 Heavy Duty, OMG XHD, OMG #12 Roofgrip, OMG #14 Roofgrip or OMG #15 Roofgrip with OMG 3 in. Galvalume Steel Plate	1 per 5.3 ft ²	WeatherBond TPO / WB-TPO-BA	-45.0*
SC-107	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	InsulFAST Fastener with SecurFAST Insulation Fastening Plate	1 per 4.0 ft ²	WeatherBond TPO / WB-TPO-BA	-45.0*
SC-108	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Steel: InsulFast with SecurFast Insulation Fastening Plate Concrete: WeatherBond HD 14-10 or CD-10 with SecurFast Insulation Fastening Plate	1 per 3.2 ft ²	WeatherBond TPO / Aqua Base 120, CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-45.0*
SC-109	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	OMG #12 Standard, OMG #14 Heavy Duty, OMG XHD, OMG #12 Roofgrip, OMG #14 Roofgrip or OMG #15 Roofgrip with OMG 3 in. Galvalume Steel Plate	1 per 3.2 ft ²	WeatherBond TPO / WB-TPO-BA	-45.0*
SC-110	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 HPW Fastener with Insulation Fastening Plate	1 per 3.2 ft ²	WeatherBond TPO / WB-TPO-BA	-45.0*
SC-111	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 TPO / Aqua Base 120, CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-45.0*
SC-112	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Steel: InsulFast with SecurFast Insulation Fastening Plate Concrete: WeatherBond HD 14-10 or CD-10 with SecurFast Insulation Fastening Plate	1 per 4.0 ft ²	WeatherBond TPO / Aqua Base 120, CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-45.0*
SC-113	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 TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-45.0*
SC-114	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 0.50-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 3.2 ft ²	WeatherBond TPO / Aqua Base 120, CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-45.0*
SC-115	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Steel: InsulFast with SecurFast Insulation Fastening Plate Concrete: WeatherBond HD 14-10 or CD-10 with SecurFast Insulation Fastening Plate	1 per 5.3 ft ²	WeatherBond TPO / Aqua Base 120, CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-45.0*
SC-116	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 TPO / Aqua Base 120, CAV-GRIP III AP, LVOC BA or WB-TPO-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		
SC-117	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 7/16-inch APA or TECO rated OSB	Trufast SIP LD Fastener	1 per 2.7 ft ²	WeatherBond TPO / Aqua Base 120, CAV-GRIP III AP or WB-TPO-BA	-45.0*
SC-118	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 3.6 ft ²	WeatherBond TPO / Aqua Base 120, CAV-GRIP III AP or WB-TPO-BA	-45.0*
SC-119	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. 1-inch WB XP Polyiso, WB XFP Polyiso	Note 2	1 per 1.6 ft ²	WeatherBond TPO / Aqua Base 120, CAV-GRIP III AP, or WB-TPO-BA	-45.0*
SC-120	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. 1.5-inch ACFoam II, WB XP Polyiso, WB XFP Polyiso, ENRGY 3	Note 2	1 per 2.0 ft ²	WeatherBond TPO / Aqua Base 120, CAV-GRIP III AP, or WB-TPO-BA	-45.0*
SC-121	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. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Steel: WeatherBond Insulation Fastener with SecurFast Insulation Fastening Plate Concrete: WeatherBond HD 14-10 or CD-10 with SecurFast Insulation Fastening Plate	1 per 3.2 ft ²	WeatherBond TPO / Aqua Base 120, CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-45.0*
SC-122	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. 1.5-inch WB XFP HD Composite	Note 2	1 per 2.0 ft ²	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-45.0*
SC-123	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. 2.0-inch ACFoam II, WB XP Polyiso, WB XFP Polyiso, ENRGY 3	Note 2	1 per 4.0 ft ²	WeatherBond TPO / Aqua Base 120, CAV-GRIP III AP, or WB-TPO-BA	-45.0*
SC-124	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. 2.0-inch WB XFP HD Composite	Note 2	1 per 4.0 ft ²	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-45.0*
SC-125	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Steel: WeatherBond Insulation Fastener with SecurFast Insulation Fastening Plate Concrete: WeatherBond HD 14-10 or CD-10 with SecurFast Insulation Fastening Plate	1 per 2.0 ft ²	WeatherBond TPO / CAV-GRIP III AP or WB-TPO-BA	-45.0
SC-126	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso, loose laid	Min. 0.5-inch WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Steel: WeatherBond Insulation Fastener with ACCUTRAC Fastening Plate Concrete: WeatherBond HD 14-10 or CD-10 with ACCUTRAC Fastening Plate	1 per 2.9 ft ²	WeatherBond TPO / CAV-GRIP III AP or WB-TPO-BA	-45.0*
SC-127	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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Note 2	1 per 2.0 ft ²	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-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		
SC-128	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso, ENRGY 3 or ACfoam II	Min. 0.5-inch WB XFP HD Plus or EcoStorm VSH	Note 2	1 per 4.0 ft ²	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-45.0*
SC-129	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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 TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-52.5
SC-130	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 TPO / Aqua Base 120	-52.5
SC-131	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso, ENRGY 3 or ACfoam II	Min. 0.5-inch WB XFP HD Plus or EcoStorm VSH	Note 2	1 per 1.8 ft ²	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-60.0
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	Note 2	1 per 1.6 ft ²	WeatherBond TPO / CAV-GRIP III AP or WB-TPO-BA	-60.0
SC-133	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: WeatherBond HD 14-10 or CD-10 with SecurFast Insulation Fastening Plate	1 per 1.0 ft ²	WeatherBond TPO / Aqua Base 120, CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-60.0
SC-134	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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 TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-67.5
SC-135	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	OMG #12 Standard, OMG #14 Heavy Duty, OMG XHD, OMG #12 Roofgrip, OMG #14 Roofgrip or OMG #15 Roofgrip with OMG 3 in. Galvalume Steel Plate	1 per 1.3 ft ²	WeatherBond TPO / WB-TPO-BA	-67.5
SC-136	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 TPO / CAV-GRIP III AP or WB-TPO-BA	-75.0
SC-137	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 2.0-inch ACfoam II, WB XP Polyiso, WB XFP Polyiso, ENRGY 3	Note 2	1 per 1.6 ft ²	WeatherBond TPO / WB-TPO-BA	-75.0
SC-138	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 2.0-inch WB XP Polyiso, WB XFP Polyiso	Note 2	1 per 1.6 ft ²	WeatherBond TPO / CAV-GRIP III AP	-75.0

**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		
SC-139	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. 2.0-inch WB XFP HD Composite	Note 2	1 per 1.6 ft ²	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-75.0
SC-140	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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 TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-75.0
SC-141	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 1.6 ft ²	WeatherBond TPO / CAV-GRIP III AP or LVOC BA	-75.0
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 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft ²	WeatherBond TPO / CAV-GRIP III AP or WB-TPO-BA	-82.5
SC-143	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 TPO / CAV-GRIP III AP	-82.5
SC-144	Min. 22 ga., type B, Grade 80 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 HPW Fastener with Insulation Fastening Plate	1 per 1.0 ft ²	WeatherBond TPO / WB-TPO-BA	-97.5
SC-145	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 TPO / WB-TPO-BA	-97.5
SC-146	Min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) 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 1.3 ft ²	WeatherBond TPO / CAV-GRIP III AP or WB-TPO-BA	-112.5
SC-147	Min. 18 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft ²	WeatherBond TPO / CAV-GRIP III AP or WB-TPO-BA	-112.5
SC-148	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso, ENRGY 3 or ACfoam II	Min. 0.5-inch WB XFP HD Plus or EcoStorm VSH	Note 2	1 per 1.3 ft ²	WeatherBond TPO / CAV-GRIP III AP or WB-TPO-BA or LVOC BA	-112.5
SC-149	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch WB XP Polyiso, WB XFP Polyiso, ACfoam II or ENRGY 3	Min. 2-inch WB XFP HD Composite	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-112.5
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. 2.0-inch WB XFP HD Composite	Note 2	1 per 1.0 ft ²	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-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		
SC-151	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 WB XFP Polyiso	Note 2	1 per 1.0 ft ²	WeatherBond TPO / CAV-GRIP III AP or WB-TPO-BA	-120.0
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 SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.0 ft ²	WeatherBond TPO / CAV-GRIP III AP or LVOC BA	-127.5
SC-153	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Min 0.5-inch DensDeck Prime	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-127.5
SC-154	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch WB XP Polyiso, WB XFP Polyiso, ACFoam II or ENRGY 3	Min. 2-inch WB XP Polyiso or WB XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	WeatherBond TPO / CAV-GRIP III AP or WB-TPO-BA	-127.5
SC-155	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch WB XP Polyiso, WB XFP Polyiso, ACFoam II or ENRGY 3	Min. 2-inch WB XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	WeatherBond TPO / LVOC BA	-127.5
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. 2.0-inch WB XFP Polyiso	Note 2	1 per 1.0 ft ²	WeatherBond TPO / CAV-GRIP III AP or LVOC BA	-127.5
SC-157	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch WB XP Polyiso, WB XFP Polyiso, ACFoam II or ENRGY 3	Min. 2.5-inch WB XFP HD Composite	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-150.0
WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (PARTIAL BOND):							
SC-158	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. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Note 2	1 per 3.2 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
SC-159	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 WB XP Polyiso, WB XFP Polyiso	Note 2	1 per 4.0 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
SC-160	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 WB XFP HD Composite	Note 2	1 per 4.0 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
SC-161	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 DensDeck Prime	Note 2	1 per 2.0 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0*
WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (FULL 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		
SC-162	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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 TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-30.0*
SC-163	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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 TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-30.0*
SC-164	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso, loose laid	Min. 0.5-inch WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Steel: WeatherBond Insulation Fastener with ACCUTRAC Fastening Plate Concrete: WeatherBond HD 14-10 or CD-10 with ACCUTRAC Fastening Plate	1 per 4.0 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-30.0*
SC-165	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Steel: WeatherBond Insulation Fastener with SecurFast Insulation Fastening Plate Concrete: WeatherBond HD 14-10 or CD-10 with SecurFast Insulation Fastening Plate	1 per 5.3 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-37.5*
SC-166	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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Note 2	1 per 2.7 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-37.5*
SC-167	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. 2.0-inch WB XP Polyiso, WB XFP Polyiso	Note 2	1 per 4.0 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-168	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. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Steel: WeatherBond Insulation Fastener with SecurFast Insulation Fastening Plate Concrete: WeatherBond HD 14-10 or CD-10 with SecurFast Insulation Fastening Plate	1 per 3.2 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
SC-169	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch WB XP Polyiso	Steel: WeatherBond Insulation Fastener with SecurFast Insulation Fastening Plate Concrete: WeatherBond HD 14-10 or CD-10 with SecurFast Insulation Fastening Plate	1 per 2.0 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-45.0
SC-170	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. 1-inch WB XP Polyiso, WB XFP Polyiso	Note 2	1 per 1.6 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-171	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. 1.5-inch WB XFP HD Composite	Note 2	1 per 2.0 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-172	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. 2.0-inch WB XFP HD Composite	Note 2	1 per 4.0 ft ²	WeatherBond TPO 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		
SC-173	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 TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-174	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-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: WeatherBond HD 14-10 or CD-10 with SecurFast Insulation Fastening Plate	1 per 3.2 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
SC-175	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Steel: WeatherBond Insulation Fastener with SecurFast Insulation Fastening Plate Concrete: WeatherBond HD 14-10 or CD-10 with SecurFast Insulation Fastening Plate	1 per 4.0 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
SC-176	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Steel: WeatherBond Insulation Fastener with SecurFast Insulation Fastening Plate Concrete: WeatherBond HD 14-10 or CD-10 with SecurFast Insulation Fastening Plate	1 per 5.3 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
SC-177	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso, ENRGY 3 or ACfoam II	Min. 0.5-inch WB XFP HD Plus or EcoStorm VSH	Note 2	1 per 4.0 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-45.0*
SC-178	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso, loose laid	Min. 0.5-inch WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Steel: WeatherBond Insulation Fastener with ACCUTRAC Fastening Plate Concrete: WeatherBond HD 14-10 or CD-10 with ACCUTRAC Fastening Plate	1 per 2.9 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-179	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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Note 2	1 per 2.0 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-45.0*
SC-180	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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 TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-52.5
SC-181	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 1.6 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-60.0
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 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Steel: WeatherBond Insulation Fastener with SecurFast Insulation Fastening Plate Concrete: WeatherBond HD 14-10 or CD-10 with SecurFast Insulation Fastening Plate	1 per 1.0 ft ²	WeatherBond TPO Fleece / DASH DT or Flexible DASH DT (FULL)	-60.0
SC-183	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso, ENRGY 3 or ACfoam II	Min. 0.5-inch WB XFP HD Plus or EcoStorm VSH	Note 2	1 per 1.8 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-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		
SC-184	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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 TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-67.5
SC-185	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 2.0-inch WB XP Polyiso, WB XFP Polyiso	Note 2	1 per 1.6 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-75.0
SC-186	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. 2.0-inch WB XFP HD Composite	Note 2	1 per 1.6 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-75.0
SC-187	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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 TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-75.0
SC-188	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 1.6 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-75.0
SC-189	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 TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-75.0
SC-190	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 1.6 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-82.5
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	0.5-inch EcoStorm VSH	Steel: WeatherBond Insulation Fastener Fastener and Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-82.5
SC-192	Min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) 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 1.3 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-112.5
SC-193	Min. 18 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-112.5
SC-194	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso, ENRGY 3 or ACFOAM II	Min. 0.5-inch WB XFP HD Plus or EcoStorm VSH	Note 2	1 per 1.3 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-112.5
SC-195	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch WB XP Polyiso, WB XFP Polyiso, ACFOAM II or ENRGY 3	Min. 2-inch WB XFP HD Composite	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	WeatherBond TPO 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		
SC-196	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Min 0.5-inch DensDeck Prime	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-127.5
SC-197	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch WB XP Polyiso, WB XFP Polyiso, ACFoam II or ENRGY 3	Min. 2-inch WB XP Polyiso or WB XFP Polyiso	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-127.5
SC-198	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 WB XFP Polyiso	Note 2	1 per 1.0 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-135.0
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 7/16-inch APA or TECO rated OSB	Note 2	1 per 1.0 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-135.0
SC-200	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 SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.0 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-135.0
SC-201	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	0.5-inch EcoStorm VSH	Steel: WeatherBond Insulation Fastener Fastener and Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	WeatherBond TPO Fleece (min. 60-mil) / Flexible DASH or Flexible DASH DT (FULL)	-135.0
SC-202	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch WB XP Polyiso, WB XFP Polyiso, ACFoam II or ENRGY 3	Min. 2.5-inch WB XFP HD Composite	Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-150.0
SC-203	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. 2.0-inch WB XFP HD Composite	Note 2	1 per 1.0 ft ²	WeatherBond TPO Fleece / Flexible DASH DT (FULL)	-157.5
WEATHERBOND PAS TPO MEMBRANE APPLICATIONS:							
SC-204	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. 2-inch Insulfoam SP	Note 2	1 per 2.7 ft ²	WeatherBond PAS TPO, self-adhered	-30.0*
SC-205	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. 2-inch Insulfoam SP	Note 2	1 per 2.0 ft ²	WeatherBond PAS TPO, self-adhered	-45.0*
SC-206	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 DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min 7/16-inch APA or TECO rated OSB	Note 2	1 per 2.0 ft ²	WeatherBond PAS TPO, self-adhered	-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		
SC-207	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Note 2	1 per 2.0 ft ²	WeatherBond PAS TPO, self-adhered	-45.0*
SC-208	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2.0-inch WB XP Polyiso, WB XFP Polyiso	Note 2	1 per 1.6 ft ²	WeatherBond PAS TPO, self-adhered	-60.0

TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED BASE PLY, 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	Base Ply	Top Ply	
WEATHERBOND TPO AC FLEECE MEMBRANE APPLICATIONS:								
SC-209	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 1.8 ft ²	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO AC Fleece / WB-CAA or hot asphalt	-67.5
SC-210	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 1.6 ft ²	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO AC Fleece / WB-CAA or hot asphalt	-75.0
SC-211	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 1.6 ft ²	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO AC Fleece / WB-CAA or hot asphalt	-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. 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	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO AC Fleece / WB-CAA or hot asphalt	-120.0

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

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Density		
RHINO BOND SYSTEMS:						
SC-213	Min. 22 ga., type B, Grade 33 steel	Min. 1-inch thick, one or more layers, any combination. Note A.	WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	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 TPO induction welded with RhinoBond tool per manufacturer's instructions.	-45.0
SC-214	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.	WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 4.0 ft ² (2 x 2 ft grid pattern)	WeatherBond TPO (min. 60-mil) induction welded with RhinoBond tool per manufacturer's instructions.	-52.5
SC-215	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.	WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 4.0 ft ² (2 x 2 ft grid pattern)	WeatherBond TPO (min. 60-mil) induction welded with RhinoBond tool per manufacturer's instructions.	-52.5
SC-216	Min. 22 ga., type B, Grade 33 steel	Min. 1-inch thick, one or more layers, any combination. Note A.	WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	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 TPO induction welded with RhinoBond tool per manufacturer's instructions.	-52.5
SC-217	Min. 22 ga., type B, Grade 40 steel; 6 ft spans; 5/8" puddle welds 6" o.c.	Min. 1.5-inch thick, one or more layers, any combination	WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 4.0 ft ² (2 x 2 ft grid pattern)	WeatherBond TPO (min. 60-mil) induction welded with RhinoBond tool per manufacturer's instructions.	-52.5
SC-218	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination. Note C.	WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 3.2 ft ² (10 parts per 4 x 8 ft board)	WeatherBond TPO (min. 60-mil) induction welded with RhinoBond tool per manufacturer's instructions.	-52.5
SC-219	Min. 22 ga., type B, Grade 80 steel	Min. 1-inch thick, one or more layers, any combination. Note A.	WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	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 TPO induction welded with RhinoBond tool per manufacturer's instructions.	-60.0
SC-220	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination. Note C.	WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 2.7 ft ² (12 parts per 4 x 8 ft board)	WeatherBond TPO (min. 60-mil) induction welded with RhinoBond tool per manufacturer's instructions.	-67.5
SC-221	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination. Note C.	WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 2.0 ft ² (16 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29	WeatherBond TPO induction welded with RhinoBond tool per manufacturer's instructions.	-97.5
SC-222	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	18-inch o.c. in rows 60-inch o.c.	WeatherBond TPO (min. 60-mil) induction welded with RhinoBond tool per manufacturer's instructions.	-30.0

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

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Density		
SC-223	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	12-inch o.c. in rows 120-inch o.c.	WeatherBond TPO (min. 60-mil) induction welded with RhinoBond tool per manufacturer's instructions.	-30.0
SC-224	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	6-inch o.c. in rows 120-inch o.c.	WeatherBond TPO induction welded with RhinoBond tool per manufacturer's instructions.	-37.5
SC-225	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	12-inch o.c. in rows 60-inch o.c.	WeatherBond TPO induction welded with RhinoBond tool per manufacturer's instructions.	-37.5
SC-226	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	12-inch o.c. in rows 60-inch o.c.	WeatherBond TPO (min. 60-mil) induction welded with RhinoBond tool per manufacturer's instructions.	-45.0
SC-227	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	6-inch o.c. in rows 120-inch o.c.	WeatherBond TPO (min. 60-mil) induction welded with RhinoBond tool per manufacturer's instructions.	-52.5
SC-228	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	6-inch o.c. in rows 60-inch o.c.	WeatherBond TPO induction welded with RhinoBond tool per manufacturer's instructions.	-67.5
ISOWELD INDUCTION WELDING SYSTEM:						
SC-229	Min. 22 ga., type B, Grade 33 steel	Min. 1-inch thick, one or more layers, any combination. Note A.	Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate	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 TPO induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-45.0
SC-230	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.	Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate	1 per 4.0 ft ² (2 x 2 ft grid pattern)	WeatherBond TPO (min. 60-mil) induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-52.5
SC-231	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.	Min. 1-inch thick, one or more layers, any combination. Note C.	Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate	1 per 4.0 ft ² (2 x 2 ft grid pattern)	WeatherBond TPO (min. 60-mil) induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-52.5
SC-232	Min. 22 ga., type B, Grade 33 steel	Min. 1-inch thick, one or more layers, any combination. Note A.	Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate	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 TPO induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-52.5
SC-233	Min. 22 ga., type B, Grade 40 steel; 6 ft spans; 5/8" puddle welds 6" o.c.	Min. 1.5-inch thick, one or more layers, any combination	Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate	1 per 4.0 ft ² (2 x 2 ft grid pattern)	WeatherBond TPO (min. 60-mil) induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-52.5

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

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Density		
SC-234	Min. 22 ga., type B, Grade 40 steel	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate	1 per 6 ft ² 2x3-ft grid, staggered	WeatherBond TPO induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-52.5
SC-235	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch	WeatherBond Insulation Fastener or SFS Dekfast DF-#12-PH3 with SFS isoweld F1-P-6.8-TPO Plate	1 per 6 ft ² 2x3-ft grid, staggered	WeatherBond TPO induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-52.5
SC-236	Min. 22 ga., type B, Grade 40 steel	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate	1 per 4.0 ft ² 2x2-ft grid, staggered	WeatherBond TPO induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-60.0
SC-237	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch	WeatherBond Insulation Fastener or SFS Dekfast DF-#12-PH3 with SFS isoweld F1-P-6.8-TPO Plate	1 per 4.0 ft ² 2x2-ft grid, staggered	WeatherBond TPO induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-60.0
SC-238	Min. 22 ga., type B, Grade 40 steel	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate	1 per 3.0 ft ² 1.5 x 2-ft grid, staggered	WeatherBond TPO induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-82.5
SC-239	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch	WeatherBond Insulation Fastener or SFS Dekfast DF-#12-PH3 with SFS isoweld F1-P-6.8-TPO Plate	1 per 3.0 ft ² 1.5 x 2-ft grid, staggered	WeatherBond TPO induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-82.5
SC-240	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, 4x8 ft dimension, one or more layers, any combination	Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate	1 per 2.25 ft ² 1.5 x 1.5-ft grid (first row of fasteners spaced 0.5 ft from long edges and 1 ft from the short edge)	WeatherBond TPO bonded to SFS <i>isoweld</i> ® TPO Plate with SFS <i>isoweld</i> ® 3000 stand-up tool.	-97.5
SC-241	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination. Note C.	Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate	1 per 2.0 ft ² (16 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29	WeatherBond TPO induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-97.5
SC-242	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 SFS isoweld F1-P-6.8-TPO Plate	12-inch o.c. in rows 60-inch o.c.	WeatherBond TPO induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-37.5
SC-243	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch, preliminarily attached	WeatherBond Insulation Fastener or SFS Dekfast DF-#12-PH3 with SFS isoweld F1-P-6.8-TPO Plate	12-inch o.c. in rows 60-inch o.c.	WeatherBond TPO induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-37.5
SC-244	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate	6-inch o.c. in rows 120-inch o.c.	WeatherBond TPO induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-37.5

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

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Density		
SC-245	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate	12-inch o.c. in rows 60-inch o.c.	WeatherBond TPO (min. 60-mil) induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-45.0
SC-246	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 SFS isoweld F1-P-6.8-TPO Plate	6-inch o.c. in rows 60-inch o.c.	WeatherBond TPO induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-90.0
SC-247	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch, preliminarily attached	WeatherBond Insulation Fastener or SFS Dekfast DF-#12-PH3 with SFS isoweld F1-P-6.8-TPO Plate	6-inch o.c. in rows 60-inch o.c.	WeatherBond TPO induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-90.0
Notes:	<p>A. For these assemblies, the 8 ft insulation board length is placed perpendicular to the steel deck ribs.</p> <p>B. The plate/fastener combination offset 12 inch from adjacent rows.</p> <p>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.</p>					

TABLE 2H: 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 (Note 5)	Membrane	Fastener (Note 11)	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	
BARE-BACK MEMBRANE APPLICATIONS:										
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 TPO	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	12-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-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 TPO	Trufast #15 EHD Fastener (steel only) or Trufast 1/4" Concrete Spike (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	12-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-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 TPO	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	12-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-30.0
SC-251	Min. 22 ga., type B, Grade 33 steel, 6 ft span, 5/8" diameter puddle welds 6" o.c., side laps secured 24" o.c. w/ ¼"-14x1" long self-tapping hex-head screw	Min. 1-inch, one or more layers, any combination (optional for recover) followed by 3/8-inch Insulfoam R-Tech EPS or Fan-Fold	Prelim. attach	WeatherBond TPO	WeatherBond HPW-XL Fastener with HPW-XL Plate	12-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-30.0

TABLE 2H: 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 (Note 5)	Membrane	Fastener (Note 11)	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	
SC-252	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 TPO	Trufast #15 EHD Fastener (steel only) or Trufast #14 HD (concrete only) or Trufast 1/4" Concrete Spike (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	18-inch o.c.	5.5-inch	66.5-inch o.c.	1.5-inch outside	-30.0
SC-253	Min. 22 ga., type B, Grade 40 steel; 6 ft spans; 5/8" puddle welds 6" o.c. or min. 2,500 psi structural concrete	Min. 1-inch, one or more layers, any combination	Prelim. attach	WeatherBond TPO (min. 60-mil)	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-37.5
SC-254	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 TPO	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	12-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-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 TPO	Trufast #15 EHD Fastener (steel only) or Trufast 1/4" Concrete Spike (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	12-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-37.5
SC-256	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 TPO	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate	12-inch o.c.	5-inch	91-inch o.c.	1.5-inch outside	-37.5
SC-257	Min. 22 ga., type B, Grade 33 steel, 6 ft span, 5/8" diameter puddle welds 6" o.c., side laps secured 24" o.c. w/ 1/4"-14x1" long self-tapping hex-head screw	Min. 1-inch, one or more layers, any combination	Prelim. Attach	WeatherBond TPO (min. 60-mil)	WeatherBond HPW-XL Fastener with HPW-XL Plate	12-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-37.5
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 TPO	Trufast #15 EHD Fastener (steel only) or Trufast #14 HD (concrete only) or Trufast 1/4" Concrete Spike (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	12-inch o.c.	5.5-inch	66.5-inch o.c.	1.5-inch outside	-37.5
SC-259	Min. 22 ga., type B, Grade 33 steel, 6 ft span, 5/8" diameter puddle welds 6" o.c., side laps secured 24" o.c. w/ 1/4"-14x1" long self-tapping hex-head screw or min. 2,500 psi structural concrete	Min. 1-inch, one or more layers, any combination	Prelim. attach	WeatherBond TPO	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-45.0
SC-260	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 TPO	WeatherBond HPW-XL Fastener with HPW-XL Plate (steel only) or HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate	12-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-45.0

TABLE 2H: 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 (Note 5)	Membrane	Fastener (Note 11)	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	
SC-261	Min. 18 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 TPO	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	12-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-45.0
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 TPO	Trufast #15 EHD Fastener (steel only) or Trufast #14 HD (concrete only) or Trufast 1/4" Concrete Spike (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	6-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-45.0
SC-263	Min. 22 ga., type B, Grade 33 steel, 6 ft span, 5/8" diameter puddle welds 6" o.c., side laps secured 24" o.c. w/ 1/4"-14x1" long self-tapping hex-head screw or min. 2,500 psi structural concrete	Min. 1-inch, one or more layers, any combination	Prelim. attach	WeatherBond TPO (min. 60-mil)	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-45.0
SC-264	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 TPO	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	12-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-45.0
SC-265	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	WeatherBond TPO	WeatherBond HPW-XL Fastener with HPW-XL Plate	12-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-45.0
SC-266	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 TPO	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	12-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-45.0
SC-267	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 TPO	Trufast #15 EHD Fastener (steel only) or Trufast 1/4" Concrete Spike (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	12-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-45.0
SC-268	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 TPO	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate	12-inch o.c.	5-inch	67-inch o.c.	1.5-inch outside	-45.0
SC-269	Min. 22 ga., type B, Grade 33 steel, 6 ft span, 5/8" diameter puddle welds 6" o.c., side laps secured 24" o.c. w/ 1/4"-14x1" long self-tapping hex-head screw or min. 2,500 psi structural concrete	Min. 1-inch, one or more layers, any combination	Prelim. attach	WeatherBond TPO	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	66.5-inch o.c.	1.5-inch outside	-45.0

**TABLE 2H: 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 (Note 5)	Membrane	Fastener (Note 11)	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	
SC-270	Min. 22 ga., type B, Grade 33 steel, 7 ft span, HILTI X-HSN 24, 6" o.c. Side laps HILTI 5-SLC 01 M HWH, 24" o.c.	Min. 1-inch, one or more layers, any combination	Prelim. attach	WeatherBond TPO (min. 60-mil)	WeatherBond HPWX Fastener and HPWX Plate	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-52.5
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	WeatherBond TPO	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-52.5
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 TPO	Trufast #15 EHD Fastener (steel only) or Trufast 1/4" Concrete Spike (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-52.5
SC-273	Min. 22 ga., type B, Grade 33 steel, 6 ft span, 5/8" diameter puddle welds 6" o.c., side laps secured 24" o.c. w/ 3/4"-14x1" long self-tapping hex-head screw	Min. 1-inch, one or more layers, any combination	Prelim. attach	WeatherBond TPO (min. 60-mil)	WeatherBond HPW-XL Fastener with HPW-XL Plate	6-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-52.5
SC-274	Min. 22 ga., type B, Grade 40 steel; 6 ft spans; 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	WeatherBond TPO (min. 60-mil)	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate	6-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-52.5
SC-275	Min. 22 ga., type B, Grade 33 steel, 6 ft span, 5/8" diameter puddle welds 6" o.c., side laps secured 24" o.c. w/ 3/4"-14x1" long self-tapping hex-head screw or min. 2,500 psi structural concrete	Min. 1-inch, one or more layers, any combination (optional for recover) followed by 3/8-inch Insulfoam R-Tech EPS or Fan-Fold	Prelim. attach	WeatherBond TPO	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-52.5
SC-276	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 TPO	Trufast #15 EHD Fastener (steel only) or Trufast #14 HD (concrete only) or Trufast 1/4" Concrete Spike (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	6-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-52.5
SC-277	Min. 22 ga., type B, Grade 33 steel, 6 ft span, 5/8" diameter puddle welds 6" o.c., side laps secured 24" o.c. w/ 3/4"-14x1" long self-tapping hex-head screw or min. 2,500 psi structural concrete	Min. 1-inch, one or more layers, any combination	Prelim. attach	WeatherBond TPO	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-52.5

**TABLE 2H: 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 (Note 5)	Membrane	Fastener (Note 11)	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	
SC-278	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 TPO	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	12-inch o.c.	5.5-inch	42.5-inch o.c.	1.5-inch outside	-52.5
SC-279	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 TPO	Trufast #15 EHD Fastener (steel only) or Trufast #14 HD (concrete only) or Trufast 1/4" Concrete Spike (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	12-inch o.c.	5.5-inch	42.5-inch o.c.	1.5-inch outside	-52.5
SC-280	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 TPO (min. 60-mil)	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate	6-inch o.c.	5.5-inch	139.5-inch o.c.	1.5-inch outside	-60.0
SC-281	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	WeatherBond TPO (min. 60-mil)	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-60.0
SC-282	Recover only: Min. 22 ga., type B, Grade 33 steel, 6 ft span, 5/8" diameter puddle welds 6" o.c., side laps secured 24" o.c. w/ 1/4"-14x1" long self-tapping hex-head screw or min. 2,500 psi structural concrete	3/8-inch Insulfoam R-Tech EPS or Fan-Fold	Prelim. attach	WeatherBond TPO	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-60.0
SC-283	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 TPO	WeatherBond HPW-XL Fastener with HPW-XL Plate (steel only) or HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-60.0
SC-284	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 TPO	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-60.0
SC-285	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 TPO	Trufast #15 EHD Fastener (steel only) or Trufast 1/4" Concrete Spike (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-60.0
SC-286	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 TPO	Trufast #15 EHD Fastener (steel only) or Trufast 1/4" Concrete Spike (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	6-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-60.0

TABLE 2H: 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 (Note 5)	Membrane	Fastener (Note 11)	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	
SC-287	Recover only: Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	3/8-inch Insulfoam R-Tech EPS or Fan-Fold	Prelim. attach	WeatherBond TPO	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-60.0
SC-288	Min. 22 ga., type B, 55 ksi steel, 6 ft span, 5/8" puddle welds 6" o.c. or min. 2,500 psi structural concrete	Min. 300 psi, min 2-inch thick cellular lightweight concrete	N/A	WeatherBond TPO	WeatherBond HPWX Fastener (steel only) or HD 14-10 (concrete only) and HPWX Plate (through to engage structural deck)	6-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-67.5
SC-289	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 TPO	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-67.5
SC-290	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 TPO	Trufast #15 EHD Fastener (steel only) or Trufast 1/4" Concrete Spike (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	6-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-67.5
SC-291	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 TPO	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	9-inch o.c.	5.5-inch	54.5-inch o.c.	1.5-inch outside	-75.0
SC-292	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 TPO	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	42.5-inch o.c.	1.5-inch outside	-82.5
SC-293	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 TPO	Trufast #15 EHD Fastener (steel only) or Trufast 1/4" Concrete Spike (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	12-inch o.c.	5.5-inch	42.5-inch o.c.	1.5-inch outside	-82.5
SC-294	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 TPO	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	54.5-inch o.c.	1.5-inch outside	-90.0
SC-295	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 TPO	Trufast #15 EHD Fastener (steel only), Trufast #14 HD (concrete only) or Trufast 1/4" Concrete Spike (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	6-inch o.c.	5.5-inch	42.5-inch o.c.	1.5-inch outside	-112.5

WEATHERBOND TPO FLEECE APPLICATIONS:

**TABLE 2H: 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 (Note 5)	Membrane	Fastener (Note 11)	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	
SC-296	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 TPO Fleece	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	12-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-30.0
SC-297	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 TPO Fleece	WeatherBond HPW-XL Fastener with HPW-XL Plate (steel only) or HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	12-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-37.5
SC-298	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 TPO Fleece	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-37.5
SC-299	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 TPO Fleece	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-60.0

**TABLE 2I: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (RUSS STRIPS)**

System No.	Deck (Note 1)	Insulation		Roof Cover (Note 15A)			MDP (psf)
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	Attachment	
SC-300	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. attached	WeatherBond TPO	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate	WeatherBond 10" PS RUSS strips are applied over the insulation spaced 138-inch o.c. The plates are centered over each strip and fastened 6-inch o.c. Roof cover adhered to each strip by first priming with TPO Primer at the strip location, then rolling into place with a hand roller.	-30.0
SC-301	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. attached	WeatherBond TPO	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate	WeatherBond 10" PS RUSS strips are applied over the insulation spaced 114-inch o.c. The plates are centered over each strip and fastened 6-inch o.c. Roof cover adhered to each strip by first priming with TPO Primer at the strip location, then rolling into place with a hand roller.	-45.0
SC-302	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. attached	WeatherBond TPO	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate	WeatherBond 10" PS RUSS strips are applied over the insulation spaced 90-inch o.c. The plates are centered over each strip and fastened 6-inch o.c. Roof cover adhered to each strip by first priming with TPO Primer at the strip location, then rolling into place with a hand roller.	-52.5
SC-303	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. attached	WeatherBond TPO	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate	WeatherBond 10" PS RUSS strips are applied over the insulation spaced 120-inch o.c. The plates are centered over each strip and fastened 6-inch o.c. Roof cover adhered to each strip by first priming with HP-250 Primer at the strip location, then rolling into place with a hand roller.	-60.0
SC-304	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. attached	WeatherBond TPO	WeatherBond HPWX Fastener (steel only), HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPWX Plate	WeatherBond 10" PS RUSS strips are applied over the insulation spaced 60-inch o.c. The plates are centered over each strip and fastened 12-inch o.c. Roof cover adhered to each strip by first priming with HP-250 Primer at the strip location, then rolling into place with a hand roller.	-60.0

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

System No.	Deck (Note 1)	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	
WEATHERBOND TPO MEMBRANE APPLICATIONS:								
C-1.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	Aqua Base 120 BA	-45.0
C-2.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch WB XP Polyiso, WB 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 TPO	Aqua Base 120 BA	-45.0
C-3.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch WB XP Polyiso, WB 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 TPO	Aqua Base 120 BA	-157.5
C-4.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB 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. 7/16-inch APA rated OSB	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	Aqua Base 120 BA	-45.0
C-5.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch WB XP Polyiso, WB 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 WB XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	Aqua Base 120 BA	-45.0
C-6.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	CAV-GRIP III AP	-157.5
C-7.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH (RIBBON)	WeatherBond TPO	CAV-GRIP III AP	-352.5
C-8.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH DT (RIBBON)	WeatherBond TPO	CAV-GRIP III AP	-277.5
C-9.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH DT (FULL)	(Optional) Additional layer(s) base insulation	Flexible DASH DT (FULL)	WeatherBond TPO	CAV-GRIP III AP	-352.5
C-10.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB 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 TPO	CAV-GRIP III AP	-157.5
C-11.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 TPO	CAV-GRIP III AP	-232.5

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

System No.	Deck (Note 1)	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	(Optional) Min. 0.5-inch WB XP Polyiso, WB 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 TPO	CAV-GRIP III AP	-157.5
C-13.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB 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 TPO	CAV-GRIP III AP	-157.5
C-14.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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. 7/16-inch APA rated OSB	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	CAV-GRIP III AP	-187.5
C-15.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XFP HD	Flexible DASH DT (RIBBON)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch WB XFP HD	Flexible DASH DT (RIBBON)	WeatherBond TPO	CAV-GRIP III AP	-127.5
C-16.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XFP HD	Flexible DASH DT (FULL)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch WB XFP HD	Flexible DASH DT (FULL)	WeatherBond TPO	CAV-GRIP III AP	-397.5
C-17.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	CAV-GRIP III AP	-157.5
C-18.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH (RIBBON)	WeatherBond TPO	CAV-GRIP III AP	-397.5
C-19.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH DT (RIBBON)	WeatherBond TPO	CAV-GRIP III AP	-277.5
C-20.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH DT (FULL)	WeatherBond TPO	CAV-GRIP III AP	-397.5
C-21.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (SPLATTER)	WeatherBond TPO	CAV-GRIP III AP	-390.0

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

System No.	Deck (Note 1)	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-22.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB 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 EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	CAV-GRIP III AP	-157.5
C-23.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 EcoStorm VSH	Flexible DASH (RIBBON)	WeatherBond TPO	CAV-GRIP III AP	-352.5
C-24.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 EcoStorm VSH	Flexible DASH DT (RIBBON)	WeatherBond TPO	CAV-GRIP III AP	-277.5
C-25.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 EcoStorm VSH	Flexible DASH DT (FULL)	WeatherBond TPO	CAV-GRIP III AP	-352.5
C-26.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch WB XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	CAV-GRIP III AP	-157.5
C-27.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 WB XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	CAV-GRIP III AP	-187.5
C-28.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	LVOC BA	-157.5
C-29.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch WB XP Polyiso, WB 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 TPO	LVOC BA	-157.5
C-30.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch WB XP Polyiso, WB 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 TPO	LVOC BA	-127.5
C-31.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB 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. 7/16-inch APA rated OSB	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	LVOC BA	-157.5
C-32.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XFP HD	Flexible DASH DT (RIBBON)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch WB XFP HD	Flexible DASH DT (RIBBON)	WeatherBond TPO	LVOC BA	-127.5

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

System No.	Deck (Note 1)	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-33.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XFP HD	Flexible DASH DT (FULL)	<u>Insulation</u> : Min. 1.6-inch Optim-R <u>Coverboard</u> : Min. 0.5-inch WB XFP HD	Flexible DASH DT (FULL)	WeatherBond TPO	LVOC BA	-397.5
C-34.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	LVOC BA	-157.5
C-35.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH (RIBBON)	WeatherBond TPO	LVOC BA	-397.5
C-36.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH DT (RIBBON)	WeatherBond TPO	LVOC BA	-277.5
C-37.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH DT (FULL)	WeatherBond TPO	LVOC BA	-397.5
C-38.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (SPLATTER)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (SPLATTER)	WeatherBond TPO	LVOC BA	-390.0
C-39.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB 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 EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	LVOC BA	-157.5
C-40.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 EcoStorm VSH	Flexible DASH (RIBBON)	WeatherBond TPO	LVOC BA	-352.5
C-41.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 EcoStorm VSH	Flexible DASH DT (RIBBON)	WeatherBond TPO	LVOC BA	-277.5
C-42.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 EcoStorm VSH	Flexible DASH DT (FULL)	WeatherBond TPO	LVOC BA	-352.5

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

System No.	Deck (Note 1)	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-43.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch WB XP Polyiso, WB 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 WB XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	LVOC BA	-157.5
C-44.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	WB-TPO-BA	-157.5
C-45.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH (RIBBON)	WeatherBond TPO	WB-TPO-BA	-352.5
C-46.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH DT (RIBBON)	WeatherBond TPO	WB-TPO-BA	-277.5
C-47.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH DT (FULL)	(Optional) Additional layer(s) base insulation	Flexible DASH (FULL)	WeatherBond TPO	WB-TPO-BA	-352.5
C-48.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB 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 TPO	WB-TPO-BA	-157.5
C-49.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 TPO	WB-TPO-BA	-232.5
C-50.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch WB XP Polyiso, WB 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 SECUROCK Ultralight Coated Glass-Mat Roof Board	Flexible DASH (RIBBON)	WeatherBond TPO	WB-TPO-BA	-67.5
C-51.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch WB XP Polyiso, WB 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 TPO	WB-TPO-BA	-157.5
C-52.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB 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 TPO	WB-TPO-BA	-157.5
C-53.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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. 7/16-inch APA rated OSB	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	WB-TPO-BA	-187.5
C-54.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XFP HD	Flexible DASH DT (RIBBON)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch WB XFP HD	Flexible DASH DT (RIBBON)	WeatherBond TPO	WB-TPO-BA	-127.5

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

System No.	Deck (Note 1)	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-55.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XFP HD	Flexible DASH DT (FULL)	<u>Insulation</u> : Min. 1.6-inch Optim-R <u>Coverboard</u> : Min. 0.5-inch WB XFP HD	Flexible DASH DT (FULL)	WeatherBond TPO	WB-TPO-BA	-397.5
C-56.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	WB-TPO-BA	-157.5
C-57.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH (RIBBON)	WeatherBond TPO	WB-TPO-BA	-397.5
C-58.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH DT (RIBBON)	WeatherBond TPO	WB-TPO-BA	-277.5
C-59.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH DT (FULL)	WeatherBond TPO	WB-TPO-BA	-397.5
C-60.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (SPLATTER)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (SPLATTER)	WeatherBond TPO	WB-TPO-BA	-390.0
C-61.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB 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 EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	WB-TPO-BA	-157.5
C-62.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 EcoStorm VSH	Flexible DASH (RIBBON)	WeatherBond TPO	WB-TPO-BA	-352.5
C-63.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 EcoStorm VSH	Flexible DASH DT (RIBBON)	WeatherBond TPO	WB-TPO-BA	-277.5
C-64.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 EcoStorm VSH	Flexible DASH DT (FULL)	WeatherBond TPO	WB-TPO-BA	-352.5

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

System No.	Deck (Note 1)	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-65.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch WB XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	WB-TPO-BA	-157.5
C-66.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch WB XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	WB-TPO-BA	-157.5
C-67.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 WB XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	WB-TPO-BA	-187.5
C-68.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch WB XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	WB-TPO-BA	-187.5
C-69.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	WeatherBond TPO	CAV-GRIP III AP, WB-TPO-BA, LVOC BA	-120.0
C-70.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, WB XP Polyiso, WB XFP Polyiso, ENRGY 3	OB500	(Optional) Additional layers of base insulation	OB500	WeatherBond TPO	Aqua Base 120	-127.5
C-71.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch ACFoam II, WB XP Polyiso, WB XFP Polyiso, ENRGY 3	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck or DensDeck Prime	OB500	WeatherBond TPO	Aqua Base 120	-127.5
C-72.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, WB XP Polyiso, WB XFP Polyiso, ENRGY 3	OB500	(Optional) Additional layers of base insulation	OB500	WeatherBond TPO	WB-TPO-BA	-150.0
C-73.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	OB500	(Optional) Additional layers of base insulation	OB500	WeatherBond TPO	CAV-GRIP III AP	-150.0
C-74.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch ACFoam II, WB XP Polyiso, WB XFP Polyiso, ENRGY 3	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck or DensDeck Prime	OB500	WeatherBond TPO	WB-TPO-BA	-150.0
C-75.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch ACFoam II, WB XP Polyiso, WB XFP Polyiso, ENRGY 3	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	OB500	WeatherBond TPO	CAV-GRIP III AP	-150.0

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

System No.	Deck (Note 1)	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-76.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB XFP Polyiso	OB500	(Optional) Min. 0.5-inch base insulation	OB500	WeatherBond TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-157.5
C-77.	Min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso, WB XFP Polyiso	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	WeatherBond TPO	CAV-GRIP III AP, WB-TPO-BA or Aqua Base 120	-247.5
WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (PARTIAL BOND):								
C-78.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0
C-79.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch WB XP Polyiso, WB 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 or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch WB XFP HD or WB XFP HD Plus	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0
C-80.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch WB XP Polyiso, WB 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. 0.5-inch WB XFP HD or WB XFP HD Plus	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-90.0
C-81.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch WB XP Polyiso, WB 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. 0.5-inch EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-90.0
C-82.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1.5-inch WB XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0
WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (FULL BOND):								
C-83.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH (FULL)	-157.5
C-84.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH (RIBBON)	WeatherBond TPO Fleece	Flexible DASH (FULL)	-397.5

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

System No.	Deck (Note 1)	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	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH (FULL)	-277.5
C-86.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH DT (FULL)	(Optional) Additional layer(s) base insulation	Flexible DASH DT (FULL)	WeatherBond TPO Fleece	Flexible DASH (FULL)	-397.5
C-87.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (SPLATTER)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (SPLATTER)	WeatherBond TPO Fleece	Flexible DASH (FULL)	-390.0
C-88.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB 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 TPO Fleece	Flexible DASH (FULL)	-157.5
C-89.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 TPO Fleece	Flexible DASH (FULL)	-397.5
C-90.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 TPO Fleece	Flexible DASH (FULL)	-277.5
C-91.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 TPO Fleece	Flexible DASH (FULL)	-397.5
C-92.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (SPLATTER)	WeatherBond TPO Fleece	Flexible DASH (FULL)	-390.0
C-93.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch WB XP Polyiso, WB 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 TPO Fleece	Flexible DASH (FULL)	-127.5
C-94.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB 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 TPO Fleece	Flexible DASH (FULL)	-157.5
C-95.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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	Flexible DASH (RIBBON)	WeatherBond TPO Fleece	Flexible DASH (FULL)	-397.5

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

System No.	Deck (Note 1)	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-96.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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	Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH (FULL)	-277.5
C-97.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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. 7/16-inch APA rated OSB	Flexible DASH DT (FULL)	WeatherBond TPO Fleece	Flexible DASH (FULL)	-397.5
C-98.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (SPLATTER)	<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 (SPLATTER)	WeatherBond TPO Fleece	Flexible DASH (FULL)	-390.0
C-99.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XFP HD	Flexible DASH DT (RIBBON)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch WB XFP HD	Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH (FULL)	-127.5
C-100.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XFP HD	Flexible DASH DT (FULL)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch WB XFP HD	Flexible DASH DT (FULL)	WeatherBond TPO Fleece	Flexible DASH (FULL)	-390.0
C-101.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch WB XP Polyiso, WB 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. 0.5-inch WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH (FULL)	-157.5
C-102.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB 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 EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH (FULL)	-157.5
C-103.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 EcoStorm VSH	Flexible DASH (RIBBON)	WeatherBond TPO Fleece	Flexible DASH (FULL)	-352.5
C-104.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 EcoStorm VSH	Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH (FULL)	-277.5
C-105.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 EcoStorm VSH	Flexible DASH DT (FULL)	WeatherBond TPO Fleece	Flexible DASH (FULL)	-352.5
C-106.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch WB XP Polyiso, WB 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. 1.5-inch WB XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH (FULL)	-112.5

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

System No.	Deck (Note 1)	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-107.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch WB XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH (FULL)	-157.5
C-108.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 WB XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH (FULL)	-187.5
C-109.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH DT (FULL)	-157.5
C-110.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH (RIBBON)	WeatherBond TPO Fleece	Flexible DASH DT (FULL)	-397.5
C-111.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH DT (FULL)	-277.5
C-112.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH DT (FULL)	(Optional) Additional layer(s) base insulation	Flexible DASH DT (FULL)	WeatherBond TPO Fleece	Flexible DASH DT (FULL)	-397.5
C-113.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (SPLATTER)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (SPLATTER)	WeatherBond TPO Fleece	Flexible DASH DT (FULL)	-390.0
C-114.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB 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 TPO Fleece	Flexible DASH DT (FULL)	-157.5
C-115.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 TPO Fleece	Flexible DASH DT (FULL)	-397.5
C-116.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 TPO Fleece	Flexible DASH DT (FULL)	-277.5
C-117.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 TPO Fleece	Flexible DASH DT (FULL)	-397.5
C-118.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible DASH or Flexible DASH DT (SPLATTER)	WeatherBond TPO Fleece	Flexible DASH DT (FULL)	-390.0

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

System No.	Deck (Note 1)	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-119.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB 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 TPO Fleece	Flexible DASH DT (FULL)	-157.5
C-120.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 TPO Fleece	Flexible DASH DT (FULL)	-187.5
C-121.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB 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 TPO Fleece	Flexible DASH DT (FULL)	-157.5
C-122.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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	Flexible DASH (RIBBON)	WeatherBond TPO Fleece	Flexible DASH DT (FULL)	-397.5
C-123.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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	Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH DT (FULL)	-277.5
C-124.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB 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. 7/16-inch APA rated OSB	Flexible DASH DT (FULL)	WeatherBond TPO Fleece	Flexible DASH DT (FULL)	-397.5
C-125.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (SPLATTER)	<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 (SPLATTER)	WeatherBond TPO Fleece	Flexible DASH DT (FULL)	-390.0
C-126.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XFP HD	Flexible DASH DT (RIBBON)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch WB XFP HD	Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH DT (FULL)	-127.5
C-127.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XFP HD	Flexible DASH DT (FULL)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch WB XFP HD	Flexible DASH DT (FULL)	WeatherBond TPO Fleece	Flexible DASH DT (FULL)	-390.0
C-128.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH DT (FULL)	-157.5

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

System No.	Deck (Note 1)	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-129.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH (RIBBON)	WeatherBond TPO Fleece	Flexible DASH DT (FULL)	-397.5
C-130.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH DT (FULL)	-277.5
C-131.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH DT (FULL)	WeatherBond TPO Fleece	Flexible DASH DT (FULL)	-397.5
C-132.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (SPLATTER)	WeatherBond TPO Fleece	Flexible DASH DT (FULL)	-390.0
C-133.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB 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 EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH DT (FULL)	-157.5
C-134.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 EcoStorm VSH	Flexible DASH (RIBBON)	WeatherBond TPO Fleece	Flexible DASH DT (FULL)	-352.5
C-135.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 EcoStorm VSH	Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH DT (FULL)	-277.5
C-136.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 EcoStorm VSH	Flexible DASH DT (FULL)	WeatherBond TPO Fleece	Flexible DASH DT (FULL)	-352.5
C-137.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch WB XP Polyiso, WB 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. 1.5-inch WB XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH DT (FULL)	-112.5

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

System No.	Deck (Note 1)	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-138.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch WB XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH DT (FULL)	-157.5
C-139.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 WB XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH DT (FULL)	-187.5
C-140.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	HydroBond WB	-157.5
C-141.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH (RIBBON)	WeatherBond TPO Fleece	HydroBond WB	-280.0
C-142.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	HydroBond WB	-277.5
C-143.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH DT (FULL)	(Optional) Additional layer(s) base insulation	Flexible DASH DT (FULL)	WeatherBond TPO Fleece	HydroBond WB	-280.0
C-144.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (SPLATTER)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (SPLATTER)	WeatherBond TPO Fleece	HydroBond WB	-280.0
C-145.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch WB XP Polyiso, WB 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 TPO Fleece	HydroBond WB	-157.5
C-146.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB 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 TPO Fleece	HydroBond WB	-157.5
C-147.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 SECUROCK Gypsum-Fiber Roof Board	Flexible DASH (RIBBON)	WeatherBond TPO Fleece	HydroBond WB	-395.0
C-148.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 SECUROCK Gypsum-Fiber Roof Board	Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	HydroBond WB	-277.5

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

System No.	Deck (Note 1)	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-149.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 SECUROCK Gypsum-Fiber Roof Board	Flexible DASH DT (FULL)	WeatherBond TPO Fleece	HydroBond WB	-395.0
C-150.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (SPLATTER)	<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 (SPLATTER)	WeatherBond TPO Fleece	HydroBond WB	-390.0
C-151.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XFP HD	Flexible DASH DT (RIBBON)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch WB XFP HD	Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	HydroBond WB	-127.5
C-152.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XFP HD	Flexible DASH DT (FULL)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch WB XFP HD	Flexible DASH DT (FULL)	WeatherBond TPO Fleece	HydroBond WB	-397.5
C-153.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB 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. 0.5-inch WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	HydroBond WB	-157.5
C-154.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH (RIBBON)	WeatherBond TPO Fleece	HydroBond WB	-397.5
C-155.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	HydroBond WB	-277.5
C-156.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH DT (FULL)	WeatherBond TPO Fleece	HydroBond WB	-397.5
C-157.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH or Flexible DASH DT (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch WB XFP HD or WB XFP HD Plus	Flexible DASH or Flexible DASH DT (SPLATTER)	WeatherBond TPO Fleece	HydroBond WB	-390.0

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

System No.	Deck (Note 1)	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-158.	Min. 2,500 psi structural concrete	Min. 0.5-inch WB XP Polyiso, WB 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 EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	HydroBond WB	-157.5
C-159.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 EcoStorm VSH	Flexible DASH (RIBBON)	WeatherBond TPO Fleece	HydroBond WB	-352.5
C-160.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 EcoStorm VSH	Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	HydroBond WB	-277.5
C-161.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 EcoStorm VSH	Flexible DASH DT (FULL)	WeatherBond TPO Fleece	HydroBond WB	-352.5
C-162.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch WB XP Polyiso, WB 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. 1.5-inch WB XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	HydroBond WB	-112.5
WEATHERBOND TPO AC FLEECE MEMBRANE APPLICATIONS:								
C-163.	Min. 2,500 psi structural concrete	Min. 0.5-inch HP Recovery Board	HA	None	HA	WeatherBond TPO AC Fleece	Hot Asphalt	-150.0
C-164.	Min. 2,500 psi structural concrete	One or more layers min. 1.5-inch WB XP Polyiso, WB XFP Polyiso, ACfoam II, ENRGY 3 or ISO 95+ GL	HA	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch HP Recovery Board	HA	WeatherBond TPO AC Fleece	Hot Asphalt	-150.0
WEATHERBOND PAS TPO MEMBRANE APPLICATIONS:								
C-165.	Min. 2,500 psi structural concrete	(Optional) One or more layers, min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible DASH (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch Insulfoam SP	Flexible DASH (FULL)	WeatherBond PAS TPO	Self-adhered	-315.0

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	
WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (FULL BOND):								
C-166.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-165.0
WEATHERBOND TPO AC FLEECE MEMBRANE APPLICATIONS:								
C-167.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch WB XP Polyiso, WB 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	Flexible DASH or Flexible DASH DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO AC Fleece / WB-CAA or hot asphalt	-157.5
C-168.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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)	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO AC Fleece / WB-CAA or hot asphalt	-202.5
C-169.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso or min. 2-inch Insulfoam I or VIII	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO AC Fleece / WB-CAA or hot asphalt	-105.0
C-170.	Min. 2,500 psi structural concrete	Min. 2-inch Insulfoam I or VIII	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	OB500	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO AC Fleece / WB-CAA or hot asphalt	-120.0
C-171.	Min. 2,500 psi structural concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	OB500	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO AC Fleece / WB-CAA or hot asphalt	-150.0
C-172.	Min. 2,500 psi structural concrete	Min. 2-inch WB XP Polyiso	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime	OB500	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO AC Fleece / WB-CAA or hot asphalt	-202.5

**TABLE 3c: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (Tear-Off) or RECOVER
SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, PLATE-BONDED ROOF COVER**

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Density		
RHINO BOND SYSTEMS:						
C-173.	Min. 2,500 psi structural concrete	Min. 1-inch thick, one or more layers, any combination.	HD 14-10 or CD-10 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 5.3 ft ² (6 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note A	WeatherBond TPO induction welded with RhinoBond tool per manufacturer's instructions.	-45.0
C-174.	Min. 2,500 psi structural concrete	Min. 1-inch thick, one or more layers, any combination.	HD 14-10 or CD-10 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 4.0 ft ² (8 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note A	WeatherBond TPO induction welded with RhinoBond tool per manufacturer's instructions.	-52.5
C-175.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination. Note B.	HD 14-10 or CD-10 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 3.2 ft ² (10 parts per 4 x 8 ft board)	WeatherBond TPO (min. 60-mil) induction welded with RhinoBond tool per manufacturer's instructions.	-52.5
C-176.	Min. 2,500 psi structural concrete	Min. 1-inch thick, one or more layers, any combination.	HD 14-10 or CD-10 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 4.0 ft ² (8 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note A	WeatherBond TPO induction welded with RhinoBond tool per manufacturer's instructions.	-60.0
C-177.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination. Note B.	HD 14-10 or CD-10 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 2.7 ft ² (12 parts per 4 x 8 ft board)	WeatherBond TPO (min. 60-mil) induction welded with RhinoBond tool per manufacturer's instructions.	-67.5
C-178.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination. Note B.	HD 14-10 or CD-10 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 2.0 ft ² (16 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29	WeatherBond TPO induction welded with RhinoBond tool per manufacturer's instructions.	-97.5
C-179.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HD 14-10 or CD-10 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	18-inch o.c. in rows 60-inch o.c.	WeatherBond TPO (min. 60-mil) induction welded with RhinoBond tool per manufacturer's instructions.	-30.0
C-180.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HD 14-10 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	12-inch o.c. in rows 120-inch o.c.	WeatherBond TPO (min. 60-mil) induction welded with RhinoBond tool per manufacturer's instructions.	-30.0
C-181.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HD 14-10 or CD-10 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	6-inch o.c. in rows 120-inch o.c.	WeatherBond TPO induction welded with RhinoBond tool per manufacturer's instructions.	-37.5
C-182.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HD 14-10 or CD-10 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	12-inch o.c. in rows 60-inch o.c.	WeatherBond TPO induction welded with RhinoBond tool per manufacturer's instructions.	-37.5
C-183.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HD 14-10 or CD-10 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	12-inch o.c. in rows 60-inch o.c.	WeatherBond TPO (min. 60-mil) induction welded with RhinoBond tool per manufacturer's instructions.	-45.0

**TABLE 3c: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (Tear-Off) or RECOVER
SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, PLATE-BONDED ROOF COVER**

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Density		
C-184.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HD 14-10 or CD-10 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	6-inch o.c. in rows 120-inch o.c.	WeatherBond TPO (min. 60-mil) induction welded with RhinoBond tool per manufacturer's instructions.	-52.5
C-185.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HD 14-10 or CD-10 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	6-inch o.c. in rows 60-inch o.c.	WeatherBond TPO induction welded with RhinoBond tool per manufacturer's instructions.	-67.5
ISOWELD INDUCTION WELDING SYSTEM:						
C-186.	Min. 2,500 psi structural concrete	Min. 1-inch thick, one or more layers, any combination.	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate	1 per 5.3 ft ² (6 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note A	WeatherBond TPO induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-45.0
C-187.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate	1 per 6 ft ² 2x3-ft grid, staggered	WeatherBond TPO induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-52.5
C-188.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate	1 per 4.0 ft ² 2x2-ft grid, staggered	WeatherBond TPO induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-60.0
C-189.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate	1 per 3.0 ft ² 1.5 x 2-ft grid, staggered	WeatherBond TPO induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-82.5
C-190.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, 4x8 ft dimension, one or more layers, any combination	Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate	1 per 2.25 ft ² 1.5 x 1.5-ft grid (first row of fasteners spaced 0.5 ft from long edges and 1 ft from the short edge)	WeatherBond TPO induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-97.5
C-191.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination. Note B.	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate	1 per 2.0 ft ² (16 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29	WeatherBond TPO induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-97.5
C-192.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch, preliminarily attached	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate	12-inch o.c. in rows 60-inch o.c.	WeatherBond TPO induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-37.5
C-193.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate	12-inch o.c. in rows 60-inch o.c.	WeatherBond TPO (min. 60-mil) induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-45.0
C-194.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch preliminarily attached	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate	6-inch o.c. in rows 60-inch o.c.	WeatherBond TPO induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-90.0
Notes:	<p>A. The plate/fastener combination offset 12 inch from adjacent rows.</p> <p>B. For these assemblies each row of insulation is staggered by 1 foot.</p>					

**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	
WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (FULL BOND):					
C-195.	Min. 2,500 psi structural concrete	None	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (FULL)	-495.0
C-196.	Min. 2,500 psi structural concrete	None	WeatherBond TPO Fleece	Flexible DASH DT (SPLATTER at 3.5-4.0 lbs/sq)	-722.5
WEATHERBOND TPO AC FLEECE MEMBRANE APPLICATIONS:					
C-197.	Min. 2,500 psi structural concrete	None	WeatherBond TPO AC Fleece	Hot Asphalt	-97.5
C-198.	Min. 2,500 psi structural concrete	CCW-702 or cut-back primer at 250-300 ft ² /gal	WeatherBond TPO AC Fleece	Hot Asphalt	-495.0
WEATHERBOND PAS TPO MEMBRANE APPLICATIONS:					
C-199.	Min. 2,500 psi structural concrete	None	WeatherBond PAS TPO	Self-adhered	-425.0

FBC NON-HVHZ

**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)		
WEATHERBOND TPO 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 WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-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 WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH or min. 1.5-inch WB XFP HD Composite or min. 2-inch WB XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-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 WB XP Polyiso, WB 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 TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-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 WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH or min. 1.5-inch WB XFP HD Composite or min. 2-inch WB XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-75.0
LWC-5	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH or min. 1.5-inch WB XFP HD Composite or min. 2-inch WB XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-187.5
LWC-6	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH or min. 1.5-inch WB XFP HD Composite or min. 2-inch WB XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-350.0
WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (FULL BOND):								

**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-7	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-52.5
LWC-8	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH or min. 1.5-inch WB XFP HD Composite or min. 2-inch WB XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-52.5
LWC-9	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch WB XP Polyiso, WB 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 TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-75.0
LWC-10	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH or min. 1.5-inch WB XFP HD Composite or min. 2-inch WB XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-75.0
LWC-11	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) of base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-187.5
LWC-12	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH or or min. 1.5-inch WB XFP HD Composite or min. 2-inch WB XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-187.5
LWC-13	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-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-14	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch WB XP Polyiso, WB 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 TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-350.0
LWC-15	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH or or min. 1.5-inch WB XFP HD Composite or min. 2-inch WB XP-NB Polyiso	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-350.0
LWC-16	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch WB XP Polyiso, WB 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 TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-350.0

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Anchor Sheet			Insulation			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 11)	Attach	Base Layer	Top Layer(s)	Attach (Notes 6,7,8)		
LWC-17	Min. 22 ga., Type B, Grade 33 vented steel or structural concrete	ELASTIZELL (NOA 23-0817.05): Min. 250 psi, Min. 2-inch thick, Elastizell Range II LWIC	JM Perma Ply 28	OMG CR Assembled Base Sheet Fastener	9-inch o.c. in the 3-inch side lap and 9-inch o.c. in two staggered rows in the center of the sheet	Min. 1.0-inch WB XP Polyiso, WB XFP Polyiso, AC Foam II, or ENRGY 3	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1.0-inch HP Recovery Board	Hot asphalt	WeatherBond TPO AC Fleece / Hot asphalt	-45.0

**TABLE 4c: LIGHTWEIGHT CONCRETE OVER STEEL DECK - NEW CONSTRUCTION OR RE-ROOF (TEAR OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER**

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)				Roof Cover (Note 15)		MDP (psf)
		Type	Surface Treatment	Supplemental Attachment		Type	Attach	
				Fastener	Attach			
WEATHERBOND TPO MEMBRANE APPLICATIONS:								
LWC-18	Min. 24 ga., Type 1.0FDV Grade 80 steel at max. 6 ft spans; 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 TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-37.5
LWC-19	Min. 22 ga., Type B, Grade 33 steel at max. 6 ft spans attached 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 TPO	Aqua Base 120, CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-60.0
LWC-20	Min. 22 ga., Type B, Grade 33 steel at max. 4 ft spans attached 6-inch o.c.	CELCORE (FL2037): Min. 38 pcf wet cast density, min. 200 psi, min. 1.625-inch thick Celcore MF Cellular Concrete followed by min. 1-inch EPS holey board with min. 2.0-inch thick top slurry coat. Note A.	Celcore PVA	None	N/A	WeatherBond TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-67.5
LWC-21	Min. 22 ga., Type B, Grade 33 steel at max. 6 ft spans attached 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	WeatherBond HPW Fastener with Insulation Fastening Plate	1 per 9.0 ft ²	WeatherBond TPO	Aqua Base 120, CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-67.5 <i>Note B</i>
LWC-22	Min. 22 ga., Type BV, Grade 40 steel at max. 6 ft spans; 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 TPO	CAV-GRIP III AP	-82.5
LWC-23	Min. 22 ga., Type B, Grade 33 steel at max. 6 ft spans attached 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	WeatherBond HPW Fastener with Insulation Fastening Plate	1 per 1.0 ft ²	WeatherBond TPO	Aqua Base 120, CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-120.0 <i>Note B</i>
LWC-24	Min. 22 ga., Type BV, Grade 80 steel; max. 5-ft spans; 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 TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-97.5
LWC-25	Min. 22 ga., Type BV, Grade 80 steel; max. 6-ft spans; 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 TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-105.0
LWC-26	Min. 22 ga., Type BV, Grade 80 steel; max. 6-ft spans; 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 TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-135.0

**TABLE 4c: LIGHTWEIGHT CONCRETE OVER STEEL DECK - NEW CONSTRUCTION OR RE-ROOF (TEAR OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER**

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)				Roof Cover (Note 15)		MDP (psf)
		Type	Surface Treatment	Supplemental Attachment		Type	Attach	
				Fastener	Attach			
LWC-27	Min. 20 ga., Type BV, Grade 33 steel; max. 6-ft 3-inch spans; 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 TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-52.5
LWC-28	Min. 22 ga., Type BV, Grade 33 steel; max. 6-ft spans; 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 TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-82.5
LWC-29	Min. 22 ga., Type BV, Grade 33 steel; max. 5-ft spans; 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 TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-97.5
LWC-30	Min. 22 ga., Type BV, Grade 33 steel; max. 5-ft spans; 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 TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-112.5
WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (PARTIAL BOND):								
LWC-31	Min. 24 ga., Type 1.0FDV Grade 80 steel at max. 6 ft spans; 5/8" puddle welds wth 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 TPO Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-37.5
LWC-32	Min. 22 ga., Type BV, Grade 40 steel at max. 6 ft spans; 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 TPO Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-82.5
WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (FULL BOND):								
LWC-33	Min. 22 ga., Type B, Grade 33 steel at max. 6 ft spans attached 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.	Celcore PVA	None	N/A	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (FULL)	-60.0
LWC-34	Min. 22 ga., Type B, Grade 33 steel at max. 4 ft spans attached 6-inch o.c.	CELCORE (FL2037): Min. 38 pcf wet cast density, min. 200 psi, min. 1.625-inch thick Celcore MF Cellular Concrete followed by min. 1-inch EPS holey board with min. 2.0-inch thick top slurry coat. Note A.	Celcore PVA	None	N/A	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (FULL)	-67.5
LWC-35	Min. 22 ga., Type B, Grade 33 steel at max. 6 ft spans attached 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.	Celcore PVA	WeatherBond HPW Fastener with Insulation Fastening Plate	1 per 9.0 ft ²	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (FULL)	-67.5 <i>Note B</i>

**TABLE 4c: LIGHTWEIGHT CONCRETE OVER STEEL DECK - NEW CONSTRUCTION OR RE-ROOF (TEAR OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER**

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)				Roof Cover (Note 15)		MDP (psf)
		Type	Surface Treatment	Supplemental Attachment		Type	Attach	
				Fastener	Attach			
LWC-36	Min. 22 ga., Type B, Grade 33 steel at max. 6 ft spans attached 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 hole board). Note A.	Celcore PVA	WeatherBond HPW Fastener with Insulation Fastening Plate	1 per 1.0 ft ²	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (FULL)	-120.0 <i>Note B</i>
LWC-37	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, Tek/5 screws, 6" o.c.	ELASTIZELL (NOA 23-0817.05): Min. 530 psi, min. 2-inch thick, Elastizell Range III LWIC	None	None	N/A	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (FULL)	-52.5
LWC-38	Min. 20 ga., Type BV, Grade 33 steel; max. 6-ft 3-inch spans; 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 TPO Fleece	Flexible DASH (FULL)	-52.5
LWC-39	Min. 22 ga., Type BV, Grade 33 steel; max. 6-ft spans; 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 hole board required)	None	None	N/A	WeatherBond TPO Fleece	Flexible DASH (FULL)	-82.5
LWC-40	Min. 22 ga., Type BV, Grade 33 steel; max. 5-ft spans; 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 hole board required)	None	None	N/A	WeatherBond TPO Fleece	Flexible DASH (FULL)	-97.5
LWC-41	Min. 22 ga., Type BV, Grade 33 steel; max. 5-ft spans; 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 hole board required)	None	None	N/A	WeatherBond TPO Fleece	Flexible DASH (FULL)	-112.5
Notes:	<p>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 C109 (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.</p> <p>B.) Linear interpolation between supplemental attachment at 1 per 9 ft² for -67.5 psf and 1 per 1.0 ft² for -120.0 psf is permissible. Such interpolation shall be performed by a qualified design professional to the satisfaction of the Authority Having Jurisdiction.</p>							

**TABLE 4D: LIGHTWEIGHT CONCRETE OVER STRUCTURAL CONCRETE – NEW CONSTRUCTION OR RE-ROOF (TEAR-OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER**

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Roof Cover (Note 15)		MDP (psf)
			Membrane	Application	
WEATHERBOND TPO MEMBRANE APPLICATIONS:					
LWC-42	Min. 2,500 psi structural concrete	CELCORE (FL2037): Min. 300 psi, Min. 2-inch thick, Celcore Cellular Concrete (EPS board optional)	WeatherBond TPO	Aqua Base 120	-82.5
LWC-43	Min. 2,500 psi structural concrete	CELCORE (FL2037): Min. 300 psi, Min. 2-inch thick, Celcore Cellular Concrete (EPS board optional)	WeatherBond TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-135.0
LWC-44	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 (EPS board optional). Note A.	WeatherBond TPO	Aqua Base 120	-217.5
LWC-45	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 (EPS board optional). Note A.	WeatherBond TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-480.0
LWC-46	Min. 2,500 psi structural concrete	CONCRECEL (FL5584 & FL10500): Min. 350 psi, min. 2-inch thick, Concrecel Lightweight Insulating Concrete (EPS board optional)	WeatherBond TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-452.5
LWC-47	Min. 2,500 psi structural concrete	ELASTIZELL (NOA 23-0817.05): Min. 250 psi, Min. 2-inch thick, Elastizell Range II LWIC	WeatherBond TPO	Aqua Base 120	-67.5
LWC-48	Min. 2,500 psi structural concrete	ELASTIZELL (NOA 23-0817.05): Min. 250 psi, Min. 2-inch thick, Elastizell Range II LWIC (EPS board optional)	WeatherBond TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-240.0
LWC-49	Min. 2,500 psi structural concrete	ELASTIZELL (NOA 23-0817.05): Min. 300 psi, Min. 2-inch thick, Elastizell Range II LWIC (no EPS board)	WeatherBond TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-495.0
LWC-50	Min. 2,500 psi structural concrete	Min. 350 psi, pre-existent cellular lightweight insulating concrete; Note: Fastener Withdrawal; OMG CR-R Assembled Base Sheet Fastener (1.7 in.) \geq 101 lbf per Note 11.	WeatherBond TPO	WB-TPO-BA	-452.5
LWC-51	Min. 2,500 psi structural concrete	Min. 320 psi, pre-existent cellular lightweight insulating concrete; Note: Fastener Withdrawal; OMG CR-R Assembled Base Sheet Fastener (1.7 in.) \geq 148 lbf per Note 11.	WeatherBond TPO	WB-TPO-BA	-492.5
WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (FULL BOND):					
LWC-52	Min. 2,500 psi structural concrete	CELCORE (FL2037): Min. 270 psi, Min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture (EPS board optional) Surfacing: Celcore SBS (Sanded Bonding Surface) at 1 gal/square.	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (FULL)	-225.0
LWC-53	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 (EPS board optional). Note A.	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (FULL)	-232.5
LWC-54	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 TPO Fleece	Flexible DASH (FULL)	-240.0
LWC-55	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 TPO Fleece	Flexible DASH (FULL)	-250.0
LWC-56	Min. 2,500 psi structural concrete	Min. 320 psi, pre-existent cellular lightweight insulating concrete; Note: Fastener Withdrawal; OMG CR-R Assembled Base Sheet Fastener (1.7 in.) \geq 148 lbf per Note 11.	WeatherBond TPO Fleece	Flexible DASH (FULL)	-250.0

**TABLE 4D: LIGHTWEIGHT CONCRETE OVER STRUCTURAL CONCRETE – NEW CONSTRUCTION OR RE-ROOF (TEAR-OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER**

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Roof Cover (Note 15)		MDP (psf)
			Membrane	Application	
LWC-57	Min. 2,500 psi structural concrete	Min. 350 psi, pre-existent cellular lightweight insulating concrete; Note: <i>Fastener Withdrawal; OMG CR-R Assembled Base Sheet Fastener (1.7 in.) ≥ 101 lbf per Note 11.</i>	WeatherBond TPO Fleece	Flexible DASH DT (SPLATTER at 3.5-4.0 lbs/sq)	-345.0
WEATHERBOND PAS TPO MEMBRANE APPLICATIONS:					
LWC-58	Min. 3,000 psi structural concrete	ELASTIZELL (NOA 23-0817.05): Min. 250 psi, Min. 2-inch thick, Elastizell Range II LWIC	WeatherBond PAS TPO	Self-adhered	-282.5
Notes:	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 C109 (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

^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	
WEATHERBOND TPO MEMBRANE 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	Min. 1-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-167.5
R-2	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch WB XP Polyiso, WB 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> (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-167.5
R-3	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 over structural concrete deck	(Optional) Min. 1-inch WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch WB XP-NB Polyiso or WB XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-145.0
R-4	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch WB XP Polyiso, WB 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 WB XP-NB Polyiso or WB XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-145.0
R-5	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 2-inch WB XP-NB Polyiso or WB XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	WeatherBond TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-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-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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	WeatherBond TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-302.5
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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	WeatherBond TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-302.5
R-8	Existing fully-adhered asphaltic BUR or mineral surface cap sheet	Min. 1.5-inch ACFoam II, WB XP Polyiso, WB XFP Polyiso, ENRGY 3	OB500	(Optional) Additional layers of base insulation	OB500	WeatherBond TPO	Aqua Base 120 or WB-TPO-BA	-120.0
R-9	Existing fully-adhered asphaltic BUR or mineral surface cap sheet	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso	OB500	(Optional) Additional layers of base insulation	OB500	WeatherBond TPO	CAV-GRIP III AP	-120.0
R-10	Existing fully-adhered asphaltic BUR or mineral surface cap sheet	(Optional) Min. 1.5-inch ACFoam II, WB XP Polyiso, WB XFP Polyiso, ENRGY 3	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck or DensDeck Prime	OB500	WeatherBond TPO	Aqua Base 120 or WB-TPO-BA	-120.0
R-11	Existing fully-adhered asphaltic BUR or mineral surface cap sheet	(Optional) Min. 1.5-inch ACFoam II, WB XP Polyiso, WB XFP Polyiso, ENRGY 3	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	OB500	WeatherBond TPO	CAV-GRIP III AP	-120.0
R-12	Existing fully-adhered asphaltic BUR or mineral surface cap sheet	(Optional) Min. 1.5-inch ACFoam II, WB XP Polyiso, WB XFP Polyiso, ENRGY 3	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	WeatherBond TPO	Aqua Base 120, CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-120.0

WEATHERBOND TPO FLEECE 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-13	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 WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0
R-14	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch WB XP Polyiso, WB 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 TPO Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0
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	(Optional) Min. 1-inch WB XP Polyiso, WB 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 WB XFP HD or WB XFP HD Plus	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0
R-16	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch WB XP Polyiso, WB 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 WB XFP HD or WB XFP HD Plus	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0
R-17	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 WB XFP HD or WB XFP HD Plus	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0
R-18	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 WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-90.0

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-19	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch WB XP Polyiso, WB 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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-90.0
R-20	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.5-inch WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-90.0
R-21	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 WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 1.5-inch WB XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0
R-22	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch WB XP Polyiso, WB 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. 1.5-inch WB XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0
R-23	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1.5-inch WB XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.)	-45.0
WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (FULL BOND):								
R-24	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 WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : (Optional) Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board or min. 0.5-inch WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-167.5

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-25	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch WB XP Polyiso, WB 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> (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-167.5
R-26	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 WB XP Polyiso, WB XFP Polyiso	Flexible DASH or Flexible DASH DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch WB XP-NB Polyiso or WB XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-145.0
R-27	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch WB XP Polyiso, WB 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 WB XP-NB Polyiso or WB XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON)	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-145.0
R-28	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 2-inch WB XP-NB Polyiso or WB XFP HD Composite	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-145.0
R-29	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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB	-302.5
R-30	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 WB XFP HD, WB XFP HD Plus or EcoStorm VSH	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	None	N/A	WeatherBond TPO 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	
WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (FULL BOND):								
R-31	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 WB XP Polyiso, WB 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 TPO 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. 1.5-inch WB XP Polyiso, WB 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 TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-165.0
R-33	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 TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)	-165.0
WEATHERBOND TPO AC FLEECE MEMBRANE APPLICATIONS:								
R-34	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 WB XP Polyiso, WB 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)	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO AC Fleece / WB-CAA or hot asphalt	-157.5
R-35	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch WB XP Polyiso, WB 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)	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO AC Fleece / WB-CAA or hot asphalt	-157.5
R-36	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.25-inch 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 TPO AC Fleece / WB-CAA or hot asphalt	-157.5

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	
R-37	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 WB XP Polyiso, WB 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)	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO AC Fleece / WB-CAA or hot asphalt	-167.5
R-38	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch WB XP Polyiso, WB 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)	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO AC Fleece / WB-CAA or hot asphalt	-167.5
R-39	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	Flexible DASH or Flexible DASH DT (RIBBON)	None	N/A	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO AC Fleece / WB-CAA or hot asphalt	-202.5
R-40	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	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO AC Fleece / WB-CAA or hot asphalt	-202.5
R-41	Existing fully-adhered asphaltic BUR	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso or min. 2-inch Insulfoam I or VIII	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO AC Fleece / WB-CAA or hot asphalt	-105.0
R-42	Existing fully-adhered asphaltic BUR	Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso or min. 2-inch Insulfoam I or VIII	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	OB500	SureMB 90TG or 120TG / torch-applied	WeatherBond TPO AC Fleece / WB-CAA or hot asphalt	-120.0

TABLE 5c: STEEL - RECOVER
SYSTEM TYPE C-2: PLATE-BONDED ROOF COVER
All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin

System No.	Substrate (Note 1)	Insulation Layer (Note 5)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Spacing		
RHINO BOND SYSTEMS:						
R-43	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	WeatherBond Purlin Fastener or RetroDriller Fastener and RhinoBond Plate-TPO are fastened through to purlins	18-inch o.c. in rows 60-inch o.c.	WeatherBond TPO (min. 60-mil) induction welded with RhinoBond tool per manufacturer's instructions.	-30.0
R-44	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	WeatherBond Purlin Fastener or RetroDriller Fastener and RhinoBond Plate-TPO are fastened through to purlins	12-inch o.c. along purlins	WeatherBond TPO (min. 60-mil) induction welded with RhinoBond tool per manufacturer's instructions.	-30.0
R-45	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	WeatherBond Purlin Fastener or RetroDriller Fastener and RhinoBond Plate-TPO are fastened through to purlins	6-inch o.c. along purlins	WeatherBond TPO induction welded with RhinoBond tool per manufacturer's instructions.	-37.5
R-46	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	WeatherBond Purlin Fastener or RetroDriller Fastener and RhinoBond Plate-TPO are fastened through to purlins	12-inch o.c. along purlins	WeatherBond TPO induction welded with RhinoBond tool per manufacturer's instructions.	-37.5
R-47	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	WeatherBond Purlin Fastener or RetroDriller Fastener and RhinoBond Plate-TPO are fastened through to purlins	12-inch o.c. along purlins	WeatherBond TPO (min. 60-mil) induction welded with RhinoBond tool per manufacturer's instructions.	-45.0
R-48	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	WeatherBond Purlin Fastener or RetroDriller Fastener and RhinoBond Plate-TPO are fastened through to purlins	6-inch o.c. along purlins	WeatherBond TPO (min. 60-mil) induction welded with RhinoBond tool per manufacturer's instructions.	-52.5
R-49	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	WeatherBond Purlin Fastener or RetroDriller Fastener and RhinoBond Plate-TPO are fastened through to purlins	6-inch o.c. along purlins	WeatherBond TPO induction welded with RhinoBond tool per manufacturer's instructions.	-67.5
ISOWELD INDUCTION WELDING SYSTEM:						
R-50	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 SFS isoweld F1-P-6.8-TPO Plate are fastened through to purlins	12-inch o.c. along purlins	WeatherBond TPO induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-37.5
R-51	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi steel purlins spaced max. 120-inch o.c.	One or more layers, any combination, preliminarily fastened	Dekfast DF-#12-PC-SQ3 with SFS isoweld F1-P-6.8-TPO Plate are fastened through to purlins	6-inch o.c. along purlins	WeatherBond TPO induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-37.5
R-52	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 SFS isoweld F1-P-6.8-TPO Plate are fastened through to purlins	12-inch o.c. along purlins	WeatherBond TPO (min. 60-mil) induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-45.0
R-53	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi steel purlins spaced max. 60-inch o.c.	One or more layers, any combination, preliminarily fastened	Dekfast DF-#12-PC-SQ3 with SFS isoweld F1-P-6.8-TPO Plate are fastened through to purlins	6-inch o.c. along purlins	WeatherBond TPO induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-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 (Note 5)	Membrane	Fastener (Note 11)	Attachment	
R-54	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. 138.5-inch o.c.	One or more layers, any combination	Prelim. attach	WeatherBond TPO	WeatherBond Purlin Fastener or RetroDriller Fastener and HPWX Plate	12-inch o.c. within 5.5-inch wide laps spaced max. 138.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-30.0
R-55	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. 115-inch o.c.	One or more layers, any combination	Prelim. attach	WeatherBond TPO	WeatherBond Purlin Fastener or RetroDriller Fastener and HPWX Plate	12-inch o.c. within 5.5-inch wide laps spaced max. 115-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-45.0
R-56	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. 54.5-inch o.c.	One or more layers, any combination	Prelim. attach	WeatherBond TPO	WeatherBond Purlin Fastener or RetroDriller Fastener and 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.	-60.0
R-57	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. 138.5-inch o.c.	One or more layers, any combination	Prelim. attach	WeatherBond TPO	WeatherBond Purlin Fastener or RetroDriller Fastener and HPWX Plate	6-inch o.c. within 5.5-inch wide laps spaced max. 138.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-60.0
R-58	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. 90.5-inch o.c.	One or more layers, any combination	Prelim. attach	WeatherBond TPO	WeatherBond Purlin Fastener or RetroDriller Fastener and HPWX Plate	6-inch o.c. within 5.5-inch wide laps spaced max. 90.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-67.5
R-59	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. 54.5-inch o.c.	One or more layers, any combination	Prelim. attach	WeatherBond TPO	WeatherBond Purlin Fastener or RetroDriller Fastener and HPWX Plate	9-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-60	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. 54.5-inch o.c.	One or more layers, any combination	Prelim. attach	WeatherBond TPO	WeatherBond Purlin Fastener or RetroDriller Fastener and 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.	-90.0

TABLE 5E: STEEL – RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (RUSS STRIPS)
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 (Note 5)	Membrane	Fastener (Note 11)	Attachment	
R-61	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. 138-inch o.c.	One or more layers, any combination	Prelim. attached	WeatherBond TPO	WeatherBond Purlin Fastener or RetroDriller Fastener and HPWX Plate	WeatherBond 10" PS RUSS strips are applied over the insulation spaced 138-inch o.c. The plates are centered over each strip and fastened 6-inch o.c. to engage the purlin. Roof cover adhered to each strip by first priming with TPO Primer at the strip location, then rolling into place with a hand roller.	-30.0
R-62	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. 114-inch o.c.	One or more layers, any combination	Prelim. attached	WeatherBond TPO	WeatherBond Purlin Fastener or RetroDriller Fastener and HPWX Plate	WeatherBond 10" PS RUSS strips are applied over the insulation spaced 114-inch o.c. The plates are centered over each strip and fastened 6-inch o.c. to engage the purlin. Roof cover adhered to each strip by first priming with TPO Primer at the strip location, then rolling into place with a hand roller.	-45.0
R-63	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. 90-inch o.c.	One or more layers, any combination	Prelim. attached	WeatherBond TPO	WeatherBond Purlin Fastener or RetroDriller Fastener and HPWX Plate	WeatherBond 10" PS RUSS strips are applied over the insulation spaced 90-inch o.c. The plates are centered over each strip and fastened 6-inch o.c. to engage the purlin. Roof cover adhered to each strip by first priming with TPO Primer at the strip location, then rolling into place with a hand roller.	-52.5
R-64	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	Prelim. attached	WeatherBond TPO	WeatherBond Purlin Fastener or RetroDriller Fastener and HPWX Plate	WeatherBond 10" PS RUSS strips are applied over the insulation spaced 120-inch o.c. The plates are centered over each strip and fastened 6-inch o.c. to engage the purlin. Roof cover adhered to each strip by first priming with HP-250 Primer at the strip location, then rolling into place with a hand roller.	-60.0
R-65	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	Prelim. attached	WeatherBond TPO	WeatherBond Purlin Fastener or RetroDriller Fastener and HPWX Plate	WeatherBond 10" PS RUSS strips are applied over the insulation spaced 60-inch o.c. The plates are centered over each strip and fastened 12-inch o.c. to engage the purlin. Roof cover adhered to each strip by first priming with HP-250 Primer at the strip location, then rolling into place with a hand roller.	-60.0

TABLE 5F: RECOVER APPLICATIONS
SYSTEM TYPE E-1: NON-INSULATED, MECHANICALLY ATTACHED ROOF COVER

System No.	Deck (Note 1)	Roof Cover (Note 15)						MDP (psf)
		Membrane	Fastener (Note 11)	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	
R-66	Existing steel deck	WeatherBond TPO AC Fleece or WeatherBond TPO Fleece	WeatherBond HPWX Fastener and HPWX Plate installed through to engage existing deck	12-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-30.0
R-67	Existing steel deck	WeatherBond TPO AC Fleece 155 or WeatherBond TPO Fleece 135	WeatherBond HPW-XL Fastener with HPW-XL Plate installed through to engage existing deck	12-inch o.c.	5-inch	139-inch o.c.	1.5-inch outside	-30.0
R-68	Existing steel deck, min. Grade 80	WeatherBond TPO AC Fleece or WeatherBond TPO Fleece	WeatherBond HPWX Fastener and HPWX Plate installed through to engage existing deck	12-inch o.c.	5.5-inch	139-inch o.c.	1.5-inch outside	-30.0
R-69	Existing steel deck	WeatherBond TPO AC Fleece 155 or WeatherBond TPO Fleece 135	WeatherBond HPW-XL Fastener with HPW-XL Plate installed through to engage existing deck	6-inch o.c.	5-inch	139-inch o.c.	1.5-inch outside	-37.5
R-70	Existing steel deck, min. Grade 80	WeatherBond TPO AC Fleece or WeatherBond TPO Fleece	WeatherBond HPWX Fastener and HPWX Plate installed through to engage existing deck	6-inch o.c.	5.5-inch	139-inch o.c.	1.5-inch outside	-37.5
R-71	Existing steel deck	WeatherBond TPO AC Fleece 155 or WeatherBond TPO Fleece 135	WeatherBond HPW-XL Fastener with HPW-XL Plate installed through to engage existing deck	12-inch o.c.	5-inch	115-inch o.c.	1.5-inch outside	-37.5
R-72	Existing steel deck, min. Grade 80	WeatherBond TPO AC Fleece or WeatherBond TPO Fleece	WeatherBond HPW-XL Fastener with HPW-XL Plate installed through to engage existing deck	12-inch o.c.	5.5-inch	115-inch o.c.	1.5-inch outside	-37.5
R-73	Existing steel deck	WeatherBond TPO AC Fleece or WeatherBond TPO Fleece	WeatherBond HPWX Fastener and HPWX Plate installed through to engage existing deck	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-52.5
R-74	Existing steel deck	WeatherBond TPO AC Fleece or WeatherBond TPO Fleece	WeatherBond HPW-XL Fastener with HPW-XL Plate installed through to engage existing deck	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-60.0
R-75	Existing steel deck, min. Grade 80	WeatherBond TPO AC Fleece or WeatherBond TPO Fleece	WeatherBond HPWX Fastener and HPWX Plate installed through to engage existing deck	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-60.0
R-76	Existing steel deck, min. Grade 80	WeatherBond TPO AC Fleece or WeatherBond TPO Fleece	WeatherBond HPWX Fastener and HPWX Plate installed through to engage existing deck	6-inch o.c.	5.5-inch	91-inch o.c.	1.5-inch outside	-60.0
R-77	Existing steel deck, min. Grade 80	WeatherBond TPO AC Fleece 155 or WeatherBond TPO Fleece 135	WeatherBond HPW-XL Fastener with HPW-XL Plate installed through to engage existing deck	12-inch o.c.	5-inch	91-inch o.c.	1.5-inch outside	-60.0
R-78	Existing structural concrete	WeatherBond TPO AC Fleece or WeatherBond TPO Fleece	HD 14-10 Fastener and HPWX Plate installed through to engage existing deck	12-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-30.0
R-79	Existing structural concrete	WeatherBond TPO AC Fleece or WeatherBond TPO Fleece	HD 14-10 or CD-10 Fastener and HPWX Plate installed through to engage existing deck Plate	6-inch o.c.	5.5-inch	139-inch o.c.	1.5-inch outside	-37.5
R-80	Existing structural concrete	WeatherBond TPO AC Fleece or WeatherBond TPO Fleece	HD 14-10 Fastener and HPWX Plate installed through to engage existing deck	12-inch o.c.	5.5-inch	115-inch o.c.	1.5-inch outside	-37.5

TABLE 5F: RECOVER APPLICATIONS
SYSTEM TYPE E-1: NON-INSULATED, MECHANICALLY ATTACHED ROOF COVER

System No.	Deck (Note 1)	Roof Cover (Note 15)						MDP (psf)
		Membrane	Fastener (Note 11)	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	
R-81	Existing structural concrete	WeatherBond TPO AC Fleece or WeatherBond TPO Fleece	HD 14-10 Fastener and HPWX Plate installed through to engage existing deck	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-60.0
R-82	Existing structural concrete	WeatherBond TPO AC Fleece or WeatherBond TPO Fleece	HD 14-10 or CD-10 Fastener and HPWX Plate installed through to engage existing deck	6-inch o.c.	5.5-inch	91-inch o.c.	1.5-inch outside	-60.0

TABLE 5G: RECOVER APPLICATIONS
SYSTEM TYPE F-1: 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	
WEATHERBOND TPO APPLICATIONS:				
R-83	Existing fully adhered TPO single ply	WeatherBond TPO	CAV-GRIP III Low-VOC Adhesive/Primer	-585.0
WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (PARTIAL BOND):				
R-84	Existing, fully-adhered EPDM	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 12)	-30.0
R-85	Existing, fully-adhered EPDM	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 6)	-75.0
R-86	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 TPO Fleece	Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)	-177.0
WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (FULL BOND):				
R-87	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 TPO Fleece	Flexible DASH (FULL)	-177.0
R-88	Existing fully adhered TPO single ply	WeatherBond TPO Fleece	Flexible DASH DT (FULL)	-270.0
R-89	Existing, fully-adhered EPDM	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (FULL)	-315.0
R-90	Existing fully adhered, granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR) or granule-surfaced modified bitumen	WeatherBond TPO AC Fleece	Hot Asphalt	-367.5
R-91	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 TPO Fleece	Flexible DASH DT (FULL)	-635.0

TABLE 5H: RECOVER APPLICATIONS
SYSTEM TYPE F-2: NEW LIGHTWEIGHT CONCRETE OVER EXISTING ROOF, BONDED ROOF COVER

^A The reported MDP documents the allowable maximum design pressure of the new LWC 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)	Lightweight Concrete	Roof Cover (Note 15)		MDP (psf) ^A
			Type	Attach	
WEATHERBOND TPO MEMBRANE APPLICATIONS:					
R-92	Existing gravel surface BUR	CELCORE (FL2037): Min. 300 psi, Min. 2-inch thick, Celcore Cellular Concrete or Celcore MF Cellular Concrete (EPS board optional)	WeatherBond TPO	Aqua Base 120, CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-75.0
R-93	Existing mineral surface cap sheet, smooth surface BUR or smooth surface modified cap sheet	CELCORE (FL2037): Min. 300 psi, Min. 2-inch thick, Celcore Cellular Concrete (EPS board optional)	WeatherBond TPO	Aqua Base 120	-82.5
R-94	Existing mineral surface cap sheet, smooth surface BUR or smooth surface modified cap sheet	CELCORE (FL2037): Min. 300 psi, Min. 2-inch thick, Celcore Cellular Concrete (EPS board optional)	WeatherBond TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-135.0
R-95	Existing mineral surface cap sheet	CELCORE (FL2037): Min. 36 pcf wet cast density, min. 300 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional).	WeatherBond TPO	Aqua Base 120, CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-135.0
R-96	Existing smooth surface BUR or smooth surface modified cap sheet	CELCORE (FL2037): Min. 36 pcf wet cast density, min. 300 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional).	WeatherBond TPO	Aqua Base 120	-217.5
R-97	Existing smooth surface BUR or smooth surface modified cap sheet	CELCORE (FL2037): Min. 36 pcf wet cast density, min. 300 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional).	WeatherBond TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-262.5
R-98	Existing asphalt BUR	CONCRECEL (FL5584 & FL10500): Min. 350 psi, min. 2-inch thick, Concrete Lightweight Insulating Concrete (EPS board optional)	WeatherBond TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-375.0
R-99	Existing asphalt BUR or smooth- or granule-surface SBS modified bitumen	ELASTIZELL (NOA 23-0817.05): Min. 250 psi, Min. 2-inch thick, Elastizell Range II LWIC (EPS board optional)	WeatherBond TPO	Aqua Base 120	-67.5
R-100	Existing asphalt BUR or granule-surface SBS modified bitumen	ELASTIZELL (NOA 23-0817.05): Min. 250 psi, Min. 2-inch thick, Elastizell Range II LWIC (EPS board optional)	WeatherBond TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-302.5
R-101	Existing asphalt BUR or smooth-surface SBS modified bitumen	ELASTIZELL (NOA 23-0817.05): Min. 250 psi, Min. 2-inch thick, Elastizell Range II LWIC (EPS board optional)	WeatherBond TPO	CAV-GRIP III AP, LVOC BA or WB-TPO-BA	-342.0
WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (FULL BOND):					
R-102	Existing gravel surface BUR	CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional).	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (FULL)	-75.0
R-103	Existing mineral surface cap sheet	CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional).	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (FULL)	-135.0
R-104	Existing smooth surface BUR or smooth surface modified cap sheet	CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional).	WeatherBond TPO Fleece	Flexible DASH or Flexible DASH DT (FULL)	-232.5
R-105	Existing asphalt BUR or smooth- or granule-surface SBS modified bitumen	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (EPS optional board)	WeatherBond TPO Fleece	Flexible DASH (FULL)	-250.0