



**NEMO|etc.**

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ENGINEER

TEST

CONSULT

**P.E. EVALUATION REPORT (PEER)**

**WEATHERBOND**

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

**PEER-WB-003.A.R6**

**FL18727-R6 (NON-HVHZ)**

Date of Issuance: 10/13/2015

**Revision 06: 10/07/2024**

**SCOPE:**

This P.E. Evaluation Report (henceforth 'PEER') is issued under **F.A.C. Rule 61G20-3** and the applicable rules and regulations governing the use of construction materials in the State of Florida, and the [Third-Party Evaluation Report](#) acceptance by the Texas Department of Insurance. The documentation submitted has been reviewed by Robert Nieminen, P.E. for compliance with the **8<sup>th</sup> Edition (2023) Florida Building Code and 2018 International 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.

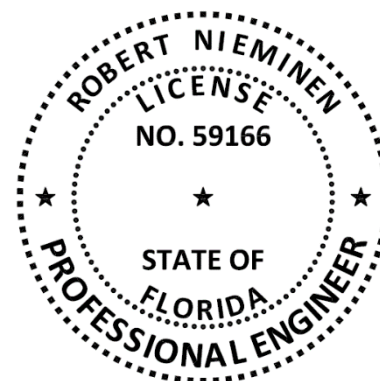
**CONTINUED COMPLIANCE:** This PEER is valid until such time as the named product(s) changes, the referenced Quality Assurance or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our PEERs by the named client constitutes agreement to notify 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:** "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 91-pages of Appendix.

**Prepared by:**



**CERTIFICATION OF INDEPENDENCE:**

1. NEMO ETC, LLC does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products it evaluates.
2. NEMO ETC, LLC is not owned, operated or controlled by any company manufacturing or distributing products it evaluates.
3. Robert Nieminen, P.E. does not have nor will acquire, a financial interest in any company manufacturing or distributing products for which the PEERs are being issued.
4. Robert Nieminen, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.
5. Robert Nieminen, P.E. is also Registered in the State of Texas; PE-96420.
6. This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this PEER, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

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## ROOFING SYSTEMS EVALUATION:

### 1. SCOPE:

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

### 2. STANDARDS:

| CODE                             | SECTION   | PROPERTY            | STANDARD             |
|----------------------------------|-----------|---------------------|----------------------|
| 2023 Florida Building Code       | 1504.3.1  | Wind resistance     | FM 4474, UL 1897     |
|                                  | 1504.6    | Physical properties | ASTM G155            |
|                                  | 1504.7    | Impact resistance   | FM 4470, Section 4.6 |
|                                  | 1507.11.2 | Material standard   | ASTM D6163, D6164    |
|                                  | 1507.12.2 | Material standard   | ASTM D6878           |
| 2018 International Building Code | 1504.3.1  | Wind resistance     | FM 4474, UL 1897     |
|                                  | 1504.6    | Physical properties | ASTM G155            |
|                                  | 1504.7    | Impact resistance   | FM 4470, Section 4.6 |
|                                  | 1507.11.2 | Material standard   | ASTM D6163, D6164    |
|                                  | 1507.13.2 | Material standard   | ASTM D6878           |

### 3. REFERENCES:

| Entity             | Examination       | Reference            | Date       |
|--------------------|-------------------|----------------------|------------|
| NEMO               | PEER              | PEER-CRL-003.A.R34   | 09/25/2024 |
| 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 requirements of the applicable Code to the satisfaction of the Authority Having Jurisdiction.
- 5.4 This PEER does not include evaluation of fire classification. Refer to **FBC or IBC 1505** for requirements and limitations regarding roof assembly fire classification. Refer to **FBC or IBC 2603** for requirements and limitations concerning the use of foam plastic insulation.
- 5.5 This PEER does not include evaluation of roof edge termination. Refer to **FBC or IBC 1504.5** for requirements and limitations regarding edge securement for low-slope roofs.
- 5.6 Refer to **FBC or IBC 1511** for requirements and limitations regarding recover installations.
- 5.6.1 For mechanically attached components over existing roof decks, fasteners shall be tested in the existing deck for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with [ANSI/SPRI FX-1](#) or [Testing Application Standard TAS 105](#).
- 5.6.2 For bonded insulation or membrane over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with [ANSI/SPRI IA-1](#), [ASTM E907](#), [FM Loss Prevention Data Sheet 1-52](#) or [Testing Application Standard TAS 124](#) shall be conducted on mock-ups of the proposed new roof assembly.
- 5.6.3 For bonded insulation or membrane over existing substrates in a recover installation, the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with [ASTM E907](#), [FM Loss Prevention Data Sheet 1-52](#) or [Testing Application Standard TAS 124](#).
- 5.7 Refer to Appendix 1 for system attachment requirements for wind load resistance.
- 5.7.1 “MDP” = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety per **FBC or IBC 1504.9** has already been applied). Refer to **FBC or IBC 1609** for determination of design wind loads.
- 5.7.2 For mechanically attached components or partially-bonded insulation, the maximum design pressure for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with **FBC or IBC Chapter 16**. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are [ANSI/SPRI WD1](#), [FM Loss Prevention Data Sheet 1-29](#), [Roofing Application Standard RAS 117](#) or [RAS 137](#). Assemblies marked with an asterisk\* carry the limitations set forth in [Section 2.2.10.1 of FM Loss Prevention Data Sheet 1-29 \(February 2020\)](#) for Zone 2/3 enhancements.
- 5.7.3 For assemblies with all components fully bonded in place, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with **FBC or IBC Chapter 16**. No rational analysis is permitted for these systems.

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

**6. INSTALLATION:**

**WeatherBond 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](mailto:bsai.inspections@ul.com)

- THE 91-PAGES THAT FOLLOW FORM PART OF THIS PEER -

**APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE**

| TABLE              | DECK                           | APPLICATION                     | TYPE | DESCRIPTION                                                                                       | PAGE |
|--------------------|--------------------------------|---------------------------------|------|---------------------------------------------------------------------------------------------------|------|
| <a href="#">1A</a> | Wood                           | New, Reroof (Tear-Off)          | A-1  | Bonded Insulation, Bonded Roof Cover                                                              | 8    |
| <a href="#">1B</a> | Wood                           | New, Reroof (Tear-Off), Recover | B-1  | Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover                   | 9    |
| <a href="#">1C</a> | Wood                           | New, Reroof (Tear-Off), Recover | B-1  | Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Base Ply, Bonded Roof Cover  | 11   |
| <a href="#">1D</a> | Wood                           | New, Reroof (Tear-Off), Recover | C-1  | Mechanically Attached Insulation, Bonded Roof Cover                                               | 11   |
| <a href="#">1E</a> | Wood                           | New, Reroof (Tear-Off), Recover | C-2  | Mechanically Attached Insulation, Plate-Bonded Roof Cover                                         | 13   |
| <a href="#">1F</a> | Wood                           | New, Reroof (Tear-Off), Recover | D-1  | Insulated, Mechanically Attached Roof Cover                                                       | 15   |
| <a href="#">1G</a> | Wood                           | New, Reroof (Tear-Off), Recover | D-2  | Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover                                | 15   |
| <a href="#">1H</a> | Wood                           | New, Reroof (Tear-Off), Recover | E-1  | Non-Insulated, Mechanically Attached Roof Cover                                                   | 16   |
| <a href="#">1I</a> | Wood                           | New, Reroof (Tear-Off), Recover | E-2  | Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover                                | 16   |
| <a href="#">2A</a> | Steel                          | New or Reroof (Tear-Off)        | A-1  | Bonded Insulation, Bonded Roof Cover                                                              | 17   |
| <a href="#">2B</a> | Steel or structural concrete   | New, Reroof (Tear-Off), Recover | B-1  | Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover                   | 18   |
| <a href="#">2C</a> | Steel or structural concrete   | New, Reroof (Tear-Off), Recover | B-1  | Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Base Ply, Bonded Roof Cover  | 26   |
| <a href="#">2D</a> | Steel                          | New, Reroof (Tear-Off), Recover | B-2  | Mechanically Attached Thermal Barrier, Bonded Vapor Barrier, Bonded Insulation, Bonded Roof Cover | 27   |
| <a href="#">2E</a> | Steel or structural concrete   | New, Reroof (Tear-Off), Recover | C-1  | Mechanically Attached Insulation, Bonded Roof Cover                                               | 30   |
| <a href="#">2F</a> | Steel or structural concrete   | New, Reroof (Tear-Off), Recover | C-1  | Mechanically Attached Insulation, Bonded Base Ply, Bonded Roof Cover                              | 40   |
| <a href="#">2G</a> | Steel                          | New, Reroof (Tear-Off), Recover | C-2  | Mechanically Attached Insulation, Plate-Bonded Roof Cover                                         | 41   |
| <a href="#">2H</a> | Steel or structural concrete   | New, Reroof (Tear-Off), Recover | D-1  | Insulated, Mechanically Attached Roof Cover (Stress Plate)                                        | 44   |
| <a href="#">2I</a> | Steel or structural concrete   | New, Reroof (Tear-Off), Recover | D-1  | Insulated, Mechanically Attached Roof Cover (RUSS Strips)                                         | 51   |
| <a href="#">3A</a> | Structural concrete            | New, Reroof (Tear-Off)          | A-1  | Bonded Insulation, Bonded Roof Cover                                                              | 52   |
| <a href="#">3B</a> | Structural concrete            | New, Reroof (Tear-Off)          | A-1  | Bonded Insulation, Bonded Base Ply, Bonded Roof Cover                                             | 67   |
| <a href="#">3C</a> | Structural concrete            | New, Reroof (Tear-Off), Recover | C-2  | Mechanically Attached Insulation, Plate-Bonded Roof Cover                                         | 68   |
| <a href="#">3D</a> | Structural concrete            | New, Reroof (Tear-Off)          | F    | Non-Insulated, Bonded Roof Cover                                                                  | 70   |
| <a href="#">4A</a> | Deck with Lightweight concrete | New, Reroof (Tear-Off)          | A-1  | Bonded Insulation, Bonded Roof Cover                                                              | 71   |
| <a href="#">4B</a> | Deck with Lightweight concrete | New, Reroof (Tear-Off)          | B-3  | Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover                          | 73   |
| <a href="#">4C</a> | Deck with Lightweight concrete | New, Reroof (Tear-Off)          | F    | Non-Insulated, Bonded Roof Cover                                                                  | 74   |
| <a href="#">4D</a> | Deck with Lightweight concrete | New, Reroof (Tear-Off)          | F    | Non-Insulated, Bonded Roof Cover                                                                  | 77   |
| <a href="#">5A</a> | Various                        | Recover                         | A-1  | Bonded Insulation, Bonded Roof Cover                                                              | 79   |
| <a href="#">5B</a> | Various                        | Recover                         | A-1  | Bonded Insulation, Bonded Base Ply, Bonded Roof Cover                                             | 84   |
| <a href="#">5C</a> | Steel                          | Recover                         | C-2  | Mechanically Attached Insulation, Plate-Bonded Roof Cover                                         | 86   |
| <a href="#">5D</a> | Steel                          | Recover                         | D-1  | Insulated, Mechanically Attached Roof Cover                                                       | 87   |
| <a href="#">5E</a> | Steel                          | Recover                         | D-2  | Insulated, Mechanically Attached Roof Cover (RUSS Strips)                                         | 88   |
| <a href="#">5F</a> | Various                        | Recover                         | E-1  | Non-Insulated, Mechanically Attached Roof Cover                                                   | 89   |
| <a href="#">5G</a> | Various                        | Recover                         | F-1  | Non-Insulated, Bonded Roof Cover                                                                  | 90   |
| <a href="#">5H</a> | Various                        | Recover                         | F-2  | New LWC over Existing Roof, Bonded Roof Cover                                                     | 91   |

**The following notes apply to the systems outlined herein:**

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

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

| FASTENER/PLATE OPTIONS |             |                                                            |                                                                                                                                                      |
|------------------------|-------------|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| DECK TYPE              | BY          | PARTS                                                      | MINIMUM ENGAGEMENT                                                                                                                                   |
| WOOD                   | WeatherBond | HPW Fastener with Insulation Fastening Plate               | Minimum ¾-inch plywood penetration or minimum 1-inch wood plank embedment                                                                            |
| STEEL                  |             | HPW Fastener with Insulation Fastening Plate               | Minimum ¾-inch steel penetration and engage the top flute of the steel deck                                                                          |
| STRUCTURAL CONCRETE    |             | HD 14-10 Fastener or CD-10 with Insulation Fastening Plate | Minimum 1.25-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 or IBC Approved (Local or Statewide) board(s) that meet FBC or IBC 1505 and, for foam plastic, FBC or IBC Chapter 26, when installed with the roof cover.
- 4 Minimum 200 psi, minimum 2-inch thick FBC or IBC Approved lightweight insulating concrete may be substituted for rigid insulation board for System Types B-1, C-1, C-2, D-1 or D-2, whereby fasteners are installed through the lightweight insulating concrete to engage the structural deck. The structural deck shall be of equal or greater type, thickness and strength to the steel and structural concrete deck listings. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction. This is a wind uplift resistance allowance and does not purport to address non-wind-uplift-related issues, such as deck venting or moisture levels within the LWIC and the potential effect on overlying components.
- 5 Preliminary insulation attachment:
  - 5A Unless otherwise noted, use Approved roofing fasteners and plates; minimum two (2) parts per 4x4-ft board, minimum four (4) per 4x8-ft board or minimum six (6) per 4x12-ft board.
  - 5B For systems where a vapor barrier is installed, refer to Table 6 of [FM Loss Prevention Data Sheet 1-29](#). For 4x12-ft boards, increase preliminary attachment requirements proportionally relative to FM LPDS 1-29 requirements for 4x8-ft boards.
  - 5C For systems where no vapor barrier is installed, WeatherBond Insulation Fastener may be used in place of 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, except direct-to-steel-deck applications, where ribbons at the top flanges are required.

| INSULATION ADHESIVE REFERENCES |                  |                             |                                                                                  |
|--------------------------------|------------------|-----------------------------|----------------------------------------------------------------------------------|
| ADHESIVE                       | METHOD           | REFERENCE                   | MINIMUM RATE                                                                     |
| Flexible DASH                  | full-coverage    | Flexible DASH (FULL)        | Continuous ribbons, 4-inch o.c. or spray-applied at 1 gal./square                |
| Flexible DASH                  | splatter-applied | Flexible DASH (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                                   | <a href="#">FBC FILE</a> |                             |           |
| Flexible DASH                                            | Any polyisocyanurate listed with adhesive herein | Various                  | 0.5                         | -157.5    |
| OB500                                                    | Any polyisocyanurate listed with adhesive herein | Various                  | 0.5                         | -187.5    |

- 8 For adhered roof insulation and board-size: Unless otherwise noted, refer to Section 2.2.10.6.2 of [FM Loss Prevention Data Sheet](#) 1-29.
- 9 For mechanically attached components or partially-bonded insulation, the maximum design pressure for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with FBC or IBC Chapter 16. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are [ANSI/SPRI](#) WD1, [FM Loss Prevention Data Sheet](#) 1-29, [Roofing Application Standard](#) RAS 117 and RAS 137. Assemblies marked with an asterisk\* carry the limitations set forth in Section 2.2.10.1 of [FM Loss Prevention Data Sheet](#) 1-29 for Zone 2/3 enhancements.
- 10 For assemblies with all components fully bonded, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with FBC or IBC Chapter 16. No rational analysis is permitted for these systems.
- 11 For mechanically attached components over existing decks, fasteners shall be tested in the existing deck for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing and analysis shall be in accordance with [ANSI/SPRI](#) FX-1 or [Testing Application Standard](#) TAS 105.
- 12 For bonded insulation or membrane over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing shall be conducted on mock-ups of the proposed new roof assembly. For bonded insulation or membrane over existing substrates in a recover installation, the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing. Field uplift testing shall be in accordance with ASTM E907, [FM Loss Prevention Data Sheet](#) 1-52 or [Testing Application Standard](#) TAS 124.
- 13 Refer to FBC or IBC 1511 for requirements and limitations regarding recover installations. For Structural Concrete Deck or Recover Applications using System Type C-1 the base insulation layer is optional and for System Type C-2, D-1 or D-2, the insulation is optional. Alternatively, an FBC or IBC Approved insulation board or coverboard may be used as a separation layer. Board products shall be preliminarily attached prior to roof cover installation ([Note 5](#)). The separator component shall be documented as meeting FBC or IBC 1505 and, for foam plastic, FBC or IBC Chapter 26, when installed with the roof cover in Recover applications.
- 14 Lightweight insulating concrete (LWIC) shall be cast in accordance with FBC Section 1917 to the satisfaction of the Authority Having Jurisdiction. For systems where specific LWIC is referenced, refer to current LWIC Product Approval for specific deck construction and limitations. Unless otherwise noted, for systems where specific LWIC is not referenced, the minimum design mix shall be 300 psi. In all cases, the minimum top-coat thickness is 2-inches. For LWIC over structural concrete, reference is made to FBC Section 1917.4.1, Point 1. For "pre-existent" LWIC references, listings were established through testing over lightweight concrete cast using only foaming agent (ASTM C896), water and Portland cement (ASTM C150), with no proprietary additives, in accordance with procedures adopted by Miami-Dade BCCO (FBC CER1592). Use of these listings in new construction or re-roof (tear-off) applications is at the discretion of the Designer or Record and Authority Having Jurisdiction.

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

| MEMBRANE / ADHESIVE COMBINATIONS |                                                |                      |                                                                                                                                                                               |
|----------------------------------|------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MEMBRANE                         | ADHESIVE                                       | APPLICATION          | RATE                                                                                                                                                                          |
| WeatherBond TPO                  | WeatherBond TPO Bonding Adhesive (WB-TPO-BA)   | Contact (both sides) | 0.83 gal/square per surface [(1.66 gal/square (60 ft²/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 ft²/gal) finish]                                                                                                            |
| WeatherBond TPO                  | Low VOC Bonding Adhesive (LVOC BA)             | Contact (both sides) | 0.83 gal/square per surface [(1.66 gal/square (60 ft²/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 ft²/gal) finish]                                                                                                           |
| WeatherBond TPO Fleece           | Aqua Base 120 Bonding Adhesive                 | Wet lay (substrate)  | 0.83 gal/square (120 ft²/gal)                                                                                                                                                 |
| WeatherBond TPO Fleece           | HydroBond Water-Based Adhesive (HydroBond WB)  | Wet lay (substrate)  | 0.75 to 1 gal/square (100 to 133 ft²/gal)                                                                                                                                     |
| WeatherBond TPO Fleece           | Flexible DASH                                  | Wet lay (substrate)  | RIBBON spaced as noted herein or<br>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<br>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, B-1, B-2, B-3 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.

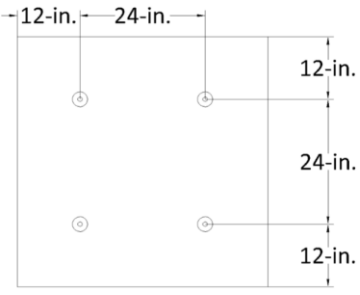
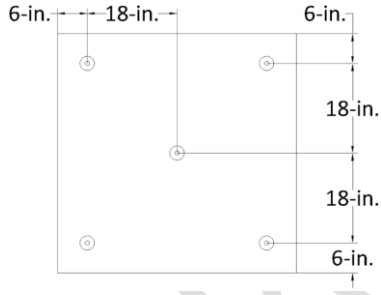
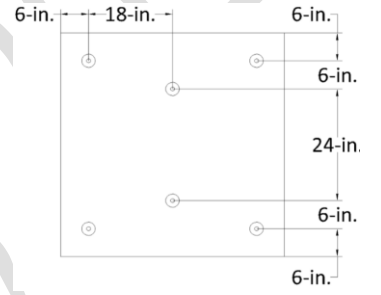
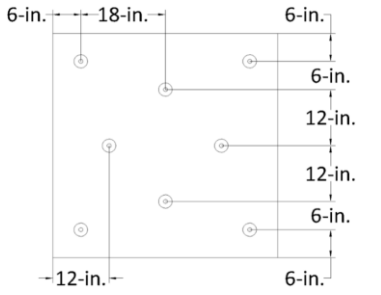
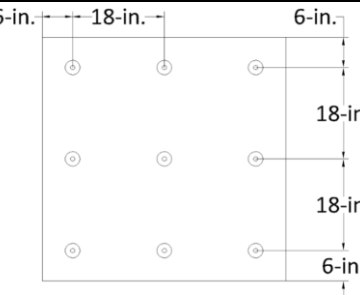
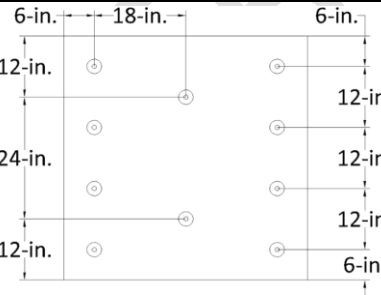
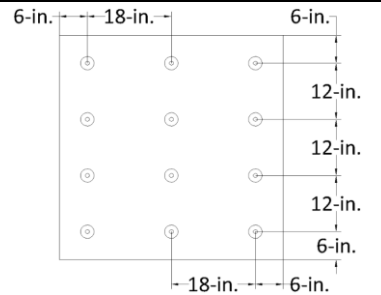
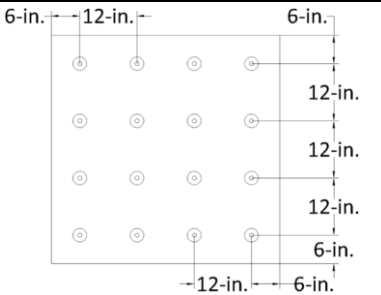
16 **Thermal Barrier and/or Vapor Barrier Options:**

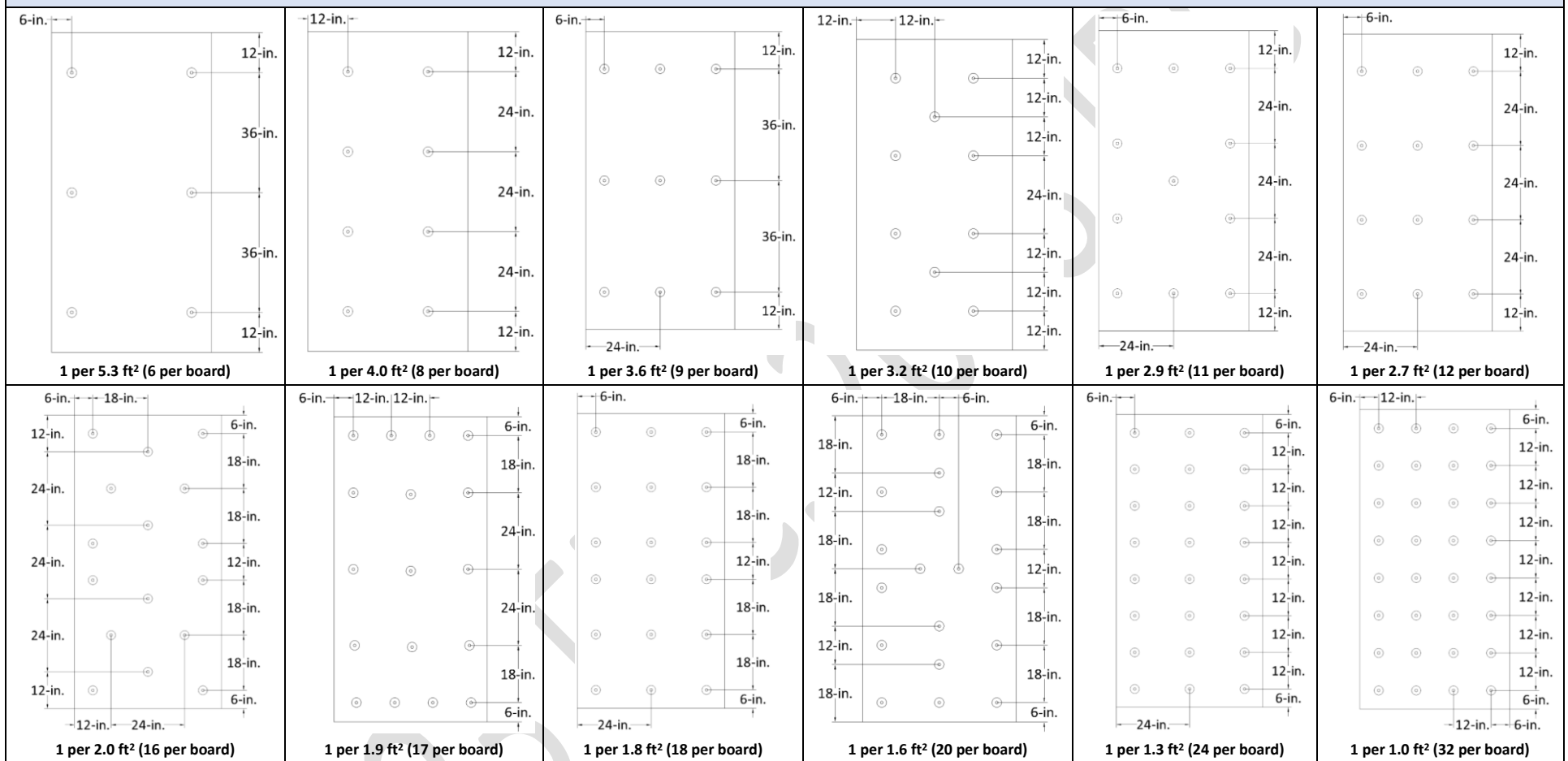
16A **Structural Concrete Decks:** The lesser of the MDP listings below vs. that for the selected assembly applies.

| VAPOR BARRIER OPTIONS, STRUCTURAL CONCRETE DECK, ADHERED INSULATION |                                                                    |                                                             |                                                     |                                                                                                       |            |
|---------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------|
| OPTION #                                                            | PRIMER                                                             | VAPOR BARRIER                                               |                                                     | INSULATION ADHESIVE PER TABLE 3A OR 3B<br>(NOTES 6.7&8)                                               | MDP (PSF)* |
|                                                                     |                                                                    | TYPE                                                        | APPLICATION                                         |                                                                                                       |            |
| C-VB-1.                                                             | 702 Primer, 702 LV Primer, CAV-GRIP Primer or CAV-GRIP III LVOC-AP | VapAir Seal 725TR                                           | Self-adhering                                       | Flexible DASH (RIBBON)                                                                                | -157.5     |
| C-VB-2.                                                             | 702 Primer, 702 LV Primer, CAV-GRIP Primer or CAV-GRIP III LVOC-AP | VapAir Seal 725TR                                           | Self-adhering                                       | Flexible DASH DT (RIBBON)                                                                             | -172.5     |
| C-VB-3.                                                             | 702 Primer, 702 LV Primer, CAV-GRIP Primer or CAV-GRIP III LVOC-AP | VapAir Seal 725TR                                           | Self-adhering                                       | Flexible DASH (RIBBON, 6-inch o.c. or SPLATTER) or Flexible DASH DT (RIBBON, 6-inch o.c. or SPLATTER) | -270.0     |
| C-VB-4.                                                             | CAV-GRIP Primer or CAV-GRIP III LVOC-AP                            | VapAir Seal 725TR                                           | Self-adhering                                       | Flexible DASH (FULL COVERAGE, 1 gal/square), Flexible DASH (SPLATTER) or Flexible DASH DT (SPLATTER)  | -427.5     |
| C-VB-5.                                                             | ASTM D41                                                           | SureMB 90 Base, SureMB 90 Poly Base or SureMB 120 Poly Base | Hot-asphalt                                         | Hot asphalt at 25 lbs/square                                                                          | -172.5     |
| C-VB-6.                                                             | ASTM D41                                                           | SureMB 90TG or 120TG Base                                   | Torch-applied                                       | Hot asphalt at 25 lbs/square                                                                          | -180.0     |
| C-VB-7.                                                             | None                                                               | SureMB 90 Base, SureMB 90 Poly Base or SureMB 120 Poly Base | Cold Applied Adhesive, 1-inch ribbons, 12-inch o.c. | Flexible DASH (RIBBON) or Flexible DASH DT (RIBBON)                                                   | -180.0     |
| C-VB-8.                                                             | None                                                               | SureMB 90 Base, SureMB 90 Poly Base or SureMB 120 Poly Base | Cold Applied Adhesive, 1-inch ribbons, 6-inch o.c.  | Flexible DASH (RIBBON, 6-inch o.c. or SPLATTER) or Flexible DASH DT (RIBBON, 6-inch o.c. or SPLATTER) | -255.0     |

| VAPOR BARRIER OPTIONS, STRUCTURAL CONCRETE DECK, ADHERED INSULATION |                                                 |                           |               |                                                                                                       |            |
|---------------------------------------------------------------------|-------------------------------------------------|---------------------------|---------------|-------------------------------------------------------------------------------------------------------|------------|
| OPTION #                                                            | PRIMER                                          | VAPOR BARRIER             |               | INSULATION ADHESIVE PER TABLE 3A OR 3B<br>(NOTES 6,7&8)                                               | MDP (psf)* |
|                                                                     |                                                 | TYPE                      | APPLICATION   |                                                                                                       |            |
| C-VB-9.                                                             | ASTM D41                                        | SureMB 90TG or 120TG Base | Torch-applied | Flexible DASH (RIBBON) or Flexible DASH DT (RIBBON)                                                   | -307.5     |
| C-VB-10.                                                            | ASTM D41                                        | SureMB 90TG or 120TG Base | Torch-applied | Flexible DASH (RIBBON, 6-inch o.c. or SPLATTER) or Flexible DASH DT (RIBBON, 6-inch o.c. or SPLATTER) | -495.0     |
| C-VB-11.                                                            | CAV-GRIP III Adhesive/Primer at 0.33 gal/square | SureMB 70 SA Base Ply     | Self-adhering | Flexible DASH (RIBBON) or Flexible DASH DT (RIBBON)                                                   | -142.5     |
| C-VB-12.                                                            | CAV-GRIP III Adhesive/Primer at 0.33 gal/square | SureMB 70 SA Base Ply     | Self-adhering | Flexible DASH (RIBBON, 6-inch o.c. or SPLATTER) or Flexible DASH DT (RIBBON, 6-inch o.c. or SPLATTER) | -255.0     |

- 16B For System Types B-1, B-2, C-1, C-2, D-1 or D-2, VapAir Seal 725TR or VapAir Seal MD may be installed atop the roof deck prior to installation of the insulation and roof cover. Refer to [FM Loss Prevention Data Sheet](#) 1-29 for design and installation limitations.
- 17 Unless otherwise noted, insulation or coverboard attachment patterns for Type B-1, Type B-2 and Type C-1 systems are as outlined below.

| INSULATION ATTACHMENT PATTERNS – 4x4 FT BOARDS                                                                        |                                                                                                                        |                                                                                                                          |                                                                                                                          |  |
|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--|
|  <p>1 per 4.0 ft² (4 per board)</p>  |  <p>1 per 3.2 ft² (5 per board)</p>   |  <p>1 per 2.7 ft² (6 per board)</p>   |  <p>1 per 2.0 ft² (8 per board)</p>   |  |
|  <p>1 per 1.8 ft² (9 per board)</p> |  <p>1 per 1.6 ft² (10 per board)</p> |  <p>1 per 1.3 ft² (12 per board)</p> |  <p>1 per 1.0 ft² (16 per board)</p> |  |

**INSULATION ATTACHMENT PATTERNS – 4x8 FT BOARDS**


- 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 or IBC 1609 for determination of design wind loads. ([Note 9](#) and [Note 10](#))

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

| System No.                                                | Deck<br>(Note 1)                                  | Vapor Barrier | Base Insulation Layer                                  |                                            | Top Insulation Layer(s)                                                                                                                                                                                                                                                               |                                            |                        | Roof Cover (Note 15)                                     |        | MDP<br>(psf) |
|-----------------------------------------------------------|---------------------------------------------------|---------------|--------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------------------|----------------------------------------------------------|--------|--------------|
|                                                           |                                                   |               | Type                                                   | Attach<br>(Notes 6,7,8)                    | Type                                                                                                                                                                                                                                                                                  | Attach<br>(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<br><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<br><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<br><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  |              |
| 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<br><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<br>(Note 1)                                      | Base Insulation Layer                                              |                                                                 |                     | Top Insulation Layer(s)                                                                                                                                                                                                                                                                              |                                            | Roof Cover<br>(Note 15)                                                           | MDP<br>(psf) |
|--------------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------------------------------------------------|--------------|
|                                                              |                                                       | Type                                                               | Fastener<br>(Note 2, Note 11)                                   | Attach<br>(Note 17) | Type                                                                                                                                                                                                                                                                                                 | Attach<br>(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 ft²       | 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 ft²       | <u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation<br><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 ft²       | 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 ft²       | <u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation<br><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): |                                                       |                                                                    |                                                                 |                     |                                                                                                                                                                                                                                                                                                      |                                            |                                                                                   |              |
| 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 ft²       | 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 ft²       | <u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation<br><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 ft²       | <u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation<br><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        |

**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<br><a href="#">(Note 1)</a>                      | Base Insulation Layer                                              |                                                                 |                                     | Top Insulation Layer(s)                                                                                                                                                                                                                                                                                |                                            | Roof Cover<br><a href="#">(Note 15)</a>                                           | <a href="#">MDP (psf)</a> |
|-----------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------------------------------------------------|---------------------------|
|                                                           |                                                       | Type                                                               | Fastener<br><a href="#">(Note 2, Note 11)</a>                   | Attach<br><a href="#">(Note 17)</a> | Type                                                                                                                                                                                                                                                                                                   | Attach<br><a href="#">(Notes 6,7,8)</a>    |                                                                                   |                           |
| 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 ft²                       | 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 ft²                       | <u>Insulation</u> : (Optional) Additional layer(s), min. 1.5-inch base insulation<br><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 ft²                       | 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 ft²                       | <u>Insulation</u> : (Optional) Additional layer(s), min. 1.5-inch base insulation<br><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<br>(Note 1)                                      | Base Insulation Layer                                              |                                                                 |                     | Top Insulation Layer(s)                                                                                                                                    |                                                                  | Roof Cover (Note 15)                 |                                                                                   | MDP<br>(psf) |
|--------------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------|-----------------------------------------------------------------------------------|--------------|
|                                                              |                                                       | Type                                                               | Fastener<br>(Note 2, Note 11)                                   | Attach<br>(Note 17) | Type                                                                                                                                                       | Attach<br>(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 ft²       | Insulation: (Optional) Additional layer(s), min. 1.5-inch base insulation<br>Coverboard: Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board  | Flexible DASH or Flexible DASH DT (RIBBON)                       | SureMB 90TG or 120TG / torch-applied | WeatherBond 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 ft²       | Insulation: (Optional) Additional layer(s), min. 1.5-inch base insulation<br>Coverboard: Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board  | Flexible DASH or Flexible DASH DT (RIBBON)                       | SureMB 90TG or 120TG / torch-applied | WeatherBond 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 ft²       | Insulation: (Optional) Additional layer(s), min. 1.5-inch base insulation<br>Coverboard: 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 ft²       | Insulation: (Optional) Additional layer(s), min. 1.5-inch base insulation<br>Coverboard: 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<br><a href="#">(Note 1)</a>                      | Base Insulation Layer<br><a href="#">(Note 3, Note 13)</a> | Top Insulation Layer                                                                    |                                                                           |                                  | Roof Cover<br><a href="#">(Note 15)</a>                 | <a href="#">MDP (psf)</a> |
|----------------------------------------|-------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------|---------------------------|
|                                        |                                                       |                                                            | Type                                                                                    | Fastener <a href="#">(Note 2, Note 11)</a>                                | Attach <a href="#">(Note 17)</a> |                                                         |                           |
| 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 ft²                    | 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 ft²                    | 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<br>( <a href="#">Note 1</a> )                    | Base Insulation Layer<br>( <a href="#">Note 3</a> , <a href="#">Note 13</a> ) | Top Insulation Layer                                                                    |                                                                           |                                       | Roof Cover<br>( <a href="#">Note 15</a> )                                         | MDP<br>(psf) |
|------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------|--------------|
|                                                                  |                                                       |                                                                               | Type                                                                                    | Fastener ( <a href="#">Note 2</a> , <a href="#">Note 11</a> )             | Attach<br>( <a href="#">Note 17</a> ) |                                                                                   |              |
| 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 ft²                         | 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 ft²                         | 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 ft²                         | 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 ft²                         | 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 ft²                         | 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 ft²                         | 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 ft²                         | 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 ft²                         | 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 ft²                         | WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA                           | -75.0        |
| <b>WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (FULL BOND):</b> |                                                       |                                                                               |                                                                                         |                                                                           |                                       |                                                                                   |              |
| 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 ft²                         | 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 ft²                         | 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 ft²                         | 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<br>(Note 1)                                      | Base Insulation Layer<br>(Note 3, Note 13)                 | Top Insulation Layer                                                                    |                                                                 |                           | Roof Cover<br>(Note 15)                                                           | MDP<br>(psf) |
|------------|-------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------------|-----------------------------------------------------------------------------------|--------------|
|            |                                                       |                                                            | Type                                                                                    | Fastener (Note 2, Note 11)                                      | Attach<br>(Note 17)       |                                                                                   |              |
| 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 <sup>2</sup> | 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 <sup>2</sup> | 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 <sup>2</sup> | 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 <sup>2</sup> | 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 <sup>2</sup> | 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 <sup>2</sup> | 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 <sup>2</sup> | 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<br><a href="#">(Note 1)</a>      | Insulation Layer<br><a href="#">(Note 3, Note 13)</a>      | Attachment                                                                                               |                                          | Roof Cover <a href="#">(Note 15B)</a>                                                 | <a href="#">MDP</a><br><a href="#">(psf)</a> |
|---------------------|---------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------|
|                     |                                       |                                                            | Fastener <a href="#">(Note 11)</a>                                                                       | Density                                  |                                                                                       |                                              |
| RHINO BOND 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 ft²<br>(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 ft²<br>(2 x 2 ft grid pattern) | WeatherBond TPO induction welded with RhinoBond tool per manufacturer's instructions. | -30.0                                        |
| 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 ft²<br>(2 x 2 ft grid pattern) | WeatherBond TPO induction welded with RhinoBond tool per manufacturer's instructions. | -37.5*                                       |

**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<br>( <a href="#">Note 1</a> )    | Insulation Layer<br>( <a href="#">Note 3</a> , <a href="#">Note 13</a> ) | Attachment                                                                                               |                                                          | Roof Cover ( <a href="#">Note 15B</a> )                                               | MDP<br>( <a href="#">psf</a> ) |
|------------------------------------------|---------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------|
|                                          |                                       |                                                                          | Fastener ( <a href="#">Note 11</a> )                                                                     | Density                                                  |                                                                                       |                                |
| 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 <sup>2</sup><br>(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 <sup>2</sup><br>(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 <sup>2</sup><br>(12 parts per 4x8 ft board) | WeatherBond TPO induction welded with RhinoBond tool per manufacturer's instructions. | -67.5                          |
| <b>ISOWELD INDUCTION WELDING SYSTEM:</b> |                                       |                                                                          |                                                                                                          |                                                          |                                                                                       |                                |
| 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 <sup>2</sup><br>(2 x 3 ft grid pattern)       | WeatherBond TPO induction welded with SFS <i>isoweld</i> ® 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 <sup>2</sup><br>(2 x 2 ft grid pattern)     | WeatherBond TPO induction welded with SFS <i>isoweld</i> ® 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 <sup>2</sup><br>(2 x 2 ft grid pattern)     | WeatherBond TPO induction welded with SFS <i>isoweld</i> ® 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 <sup>2</sup><br>(2 x 3 ft grid pattern)       | WeatherBond TPO induction welded with SFS <i>isoweld</i> ® 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 <sup>2</sup><br>(12 parts per 4x8 ft board) | WeatherBond TPO induction welded with SFS <i>isoweld</i> ® 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 <i>isoweld</i> ® 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 <sup>2</sup><br>(12 parts per 4x8 ft board) | WeatherBond TPO induction welded with SFS <i>isoweld</i> ® 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 <a href="#">(Note 1)</a>                         | Insulation Layer <a href="#">(Note 3, Note 13)</a> |                                 | Roof Cover <a href="#">(Note 15)</a>                      |                                                                                                    |                  |           |                 |                  | MDP <a href="#">(psf)</a> |
|------------|-------------------------------------------------------|----------------------------------------------------|---------------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------|-----------|-----------------|------------------|---------------------------|
|            |                                                       | Type                                               | Attach <a href="#">(Note 5)</a> | Membrane                                                  | Fastener <a href="#">(Note 11)</a>                                                                 | 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 HPW-XL Fastener and HPW-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 HPW-XL Fastener and HPW-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 <a href="#">(Note 1)</a>       | Insulation <a href="#">(Note 3, Note 13)</a> |            | Base Sheet                          |                                                             |                                                                                                            | Roof Cover <a href="#">(Note 15)</a> |              | MDP <a href="#">(psf)</a> |
|------------|-------------------------------------|----------------------------------------------|------------|-------------------------------------|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------------------------|--------------|---------------------------|
|            |                                     | Type                                         | Attach     | Base Sheet                          | Fastener <a href="#">(Note 2, Note 11)</a>                  | 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 <a href="#">(Note 1)</a>                         | Thermal Barrier                         |                                 | Roof Cover <a href="#">(Note 15)</a>                      |                                                                                                                                                                  |                  |           |                                        |                  | MDP <a href="#">(psf)</a> |
|------------|-------------------------------------------------------|-----------------------------------------|---------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------|----------------------------------------|------------------|---------------------------|
|            |                                                       | Type                                    | Attach <a href="#">(Note 5)</a> | Membrane                                                  | Fastener <a href="#">(Note 11)</a>                                                                                                                               | 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 HPW-XL Fastener and HPW-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 HPW-XL Fastener and HPW-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 <a href="#">(Note 1)</a>       | Thermal Barrier                         |            | Base Sheet                          |                                                             |                                                                                                            | Roof Cover <a href="#">(Note 15)</a> |              | MDP <a href="#">(psf)</a> |
|------------|-------------------------------------|-----------------------------------------|------------|-------------------------------------|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------------------------|--------------|---------------------------|
|            |                                     | Type                                    | Attach     | Base Sheet                          | Fastener <a href="#">(Note 2, Note 11)</a>                  | 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<br><a href="#">(Note 1)</a>    | Vapor Barrier                            | Base Insulation Layer                                                  |                                                                             | Top Insulation Layer                                                                                                                                                                                                                                                      |                                            | Roof Cover <a href="#">(Note 15)</a> |                                          | MDP<br><a href="#">(psf)</a> |
|-----------------------------------------------------------|-------------------------------------|------------------------------------------|------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------|------------------------------------------|------------------------------|
|                                                           |                                     |                                          | Type                                                                   | Attach<br><a href="#">(Notes 6,7,8)</a>                                     | Type                                                                                                                                                                                                                                                                      | Attach<br><a href="#">(Notes 6,7,8)</a>    | 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<br><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<br><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<br>( <a href="#">Note 1</a> )  | Vapor Barrier                            | Base Insulation Layer                                  |                                                                             | Top Insulation Layer                                                                                                   |                                            | Roof Cover ( <a href="#">Note 15</a> ) |                                          | MDP<br>( <a href="#">psf</a> ) |
|------------|-------------------------------------|------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------------|------------------------------------------|--------------------------------|
|            |                                     |                                          | Type                                                   | Attach<br>( <a href="#">Notes 6,7,8</a> )                                   | Type                                                                                                                   | Attach<br>( <a href="#">Notes 6,7,8</a> )  | 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<br><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<br>( <a href="#">Note 1</a> )                                        | Base Insulation Layer                                           |                                                                                            |                                       | Top Insulation Layer(s)                                                                                                                                  |                                            | Roof Cover<br>( <a href="#">Note 15</a> )                              | <a href="#">MDP</a><br>(psf) |
|----------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------------|------------------------------|
|                                        |                                                                           | Type                                                            | Fastener<br>( <a href="#">Note 2</a> , <a href="#">Note 11</a> )                           | Attach<br>( <a href="#">Note 17</a> ) | Type                                                                                                                                                     | Attach<br>( <a href="#">Notes 6,7,8</a> )  |                                                                        |                              |
| 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 ft²                         | 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 ft²                         | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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 ft²                         | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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 ft²                         | 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<br>Concrete: Note 2 | 1 per 2.0 ft²                         | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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<br>( <a href="#">Note 1</a> )                                        | Base Insulation Layer                       |                                                                                            |                                       | Top Insulation Layer(s)                                                                                                                                                                             |                                                         | Roof Cover<br>( <a href="#">Note 15</a> )                    | MDP<br>(psf) |
|------------|---------------------------------------------------------------------------|---------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------------|--------------|
|            |                                                                           | Type                                        | Fastener<br>( <a href="#">Note 2</a> , <a href="#">Note 11</a> )                           | Attach<br>( <a href="#">Note 17</a> ) | Type                                                                                                                                                                                                | Attach<br>( <a href="#">Notes 6,7,8</a> )               |                                                              |              |
| 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<br>Concrete: Note 2 | 1 per 2.0 ft <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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<br>Concrete: Note 2 | 1 per 1.8 ft <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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<br>Concrete: Note 2 | 1 per 2.0 ft <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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<br>Concrete: Note 2 | 1 per 1.8 ft <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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<br>Concrete: Note 2 | 1 per 1.6 ft <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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<br>Concrete: Note 2 | 1 per 1.6 ft <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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<br>Concrete: Note 2 | 1 per 1.3 ft <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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<br>Concrete: Note 2 | 1 per 1.0 ft <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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<br>( <a href="#">Note 1</a> )                                        | Base Insulation Layer                                           |                                                                                            |                                       | Top Insulation Layer(s)                                                                                                                                                                             |                                           | Roof Cover<br>( <a href="#">Note 15</a> )                              | MDP<br>( <a href="#">psf</a> ) |
|------------|---------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------------------------------------|--------------------------------|
|            |                                                                           | Type                                                            | Fastener<br>( <a href="#">Note 2</a> , <a href="#">Note 11</a> )                           | Attach<br>( <a href="#">Note 17</a> ) | Type                                                                                                                                                                                                | Attach<br>( <a href="#">Notes 6,7,8</a> ) |                                                                        |                                |
| 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<br>Concrete: Note 2 | 1 per 1.0 ft <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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<br>Concrete: Note 2 | 1 per 1.3 ft <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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<br>Concrete: Note 2 | 1 per 1.0 ft <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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<br>Concrete: Note 2 | 1 per 1.0 ft <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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 <sup>2</sup>             | 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 <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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 <sup>2</sup>             | 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 <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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-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 <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><u>Coverboard</u> : Min. 0.25-inch DensDeck, DensDeck Prime                                                                   | OB500                                     | WeatherBond TPO / Aqua Base 120 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<br>( <a href="#">Note 1</a> )                                        | Base Insulation Layer                                           |                                                                  |                                       | Top Insulation Layer(s)                                                                                                                   |                                           | Roof Cover<br>( <a href="#">Note 15</a> )                              | MDP<br>(psf) |
|------------|---------------------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------------------------------------|--------------|
|            |                                                                           | Type                                                            | Fastener<br>( <a href="#">Note 2</a> , <a href="#">Note 11</a> ) | Attach<br>( <a href="#">Note 17</a> ) | Type                                                                                                                                      | Attach<br>( <a href="#">Notes 6,7,8</a> ) |                                                                        |              |
| 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 <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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 <sup>2</sup>             | 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 <sup>2</sup>             | 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 <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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 <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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 <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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 <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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 <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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-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 <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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        |

**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<br>( <a href="#">Note 1</a> )                                        | Base Insulation Layer                                                                     |                                                                  |                                       | Top Insulation Layer(s)                                                                                                 |                                            | Roof Cover<br>( <a href="#">Note 15</a> )                                         | MDP<br>(psf) |
|--------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------------------------------------------------|--------------|
|                                                              |                                                                           | Type                                                                                      | Fastener<br>( <a href="#">Note 2</a> , <a href="#">Note 11</a> ) | Attach<br>( <a href="#">Note 17</a> ) | Type                                                                                                                    | Attach<br>( <a href="#">Notes 6,7,8</a> )  |                                                                                   |              |
| 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 ft²                         | 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<br>Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso, ENRGY 3, or AC Foam II | Note 2                                                           | 1 per 2.0 ft²                         | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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 ft²                         | 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<br>Min. 1.5-inch WB XP Polyiso, WB XFP Polyiso, ENRGY 3, or AC Foam II | Note 2                                                           | 1 per 2.0 ft²                         | 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 ft²                         | 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 ft²                         | 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 ft²                         | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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*       |
| 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 ft²                         | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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<br>( <a href="#">Note 1</a> )                                        | Base Insulation Layer                                           |                                                                                            |                                       | Top Insulation Layer(s)                                                                                                                |                                                         | Roof Cover<br>( <a href="#">Note 15</a> )                                         | MDP<br>( <a href="#">psf</a> ) |
|-----------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------|
|                                                           |                                                                           | Type                                                            | Fastener<br>( <a href="#">Note 2</a> , <a href="#">Note 11</a> )                           | Attach<br>( <a href="#">Note 17</a> ) | Type                                                                                                                                   | Attach<br>( <a href="#">Notes 6,7,8</a> )               |                                                                                   |                                |
| 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 ft²                         | 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 ft²                         | 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 ft²                         | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><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 ft²                         | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><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 ft²                         | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><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 ft²                         | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><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 ft²                         | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><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<br>Concrete: Note 2 | 1 per 2.0 ft²                         | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><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                          |
| 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<br>Concrete: Note 2 | 1 per 2.0 ft²                         | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><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                          |

**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<br>( <a href="#">Note 1</a> )                                        | Base Insulation Layer                       |                                                                                            |                                       | Top Insulation Layer(s)                                                                                                                                           |                                                         | Roof Cover<br>( <a href="#">Note 15</a> )                                         | MDP<br>(psf) |
|------------|---------------------------------------------------------------------------|---------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------|--------------|
|            |                                                                           | Type                                        | Fastener<br>( <a href="#">Note 2</a> , <a href="#">Note 11</a> )                           | Attach<br>( <a href="#">Note 17</a> ) | Type                                                                                                                                                              | Attach<br>( <a href="#">Notes 6,7,8</a> )               |                                                                                   |              |
| 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<br>Concrete: Note 2 | 1 per 2.0 ft <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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<br>Concrete: Note 2 | 1 per 2.0 ft <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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<br>Concrete: Note 2 | 1 per 1.6 ft <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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<br>Concrete: Note 2 | 1 per 1.6 ft <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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<br>Concrete: Note 2 | 1 per 1.6 ft <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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 <sup>2</sup>             | 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<br>Concrete: Note 2 | 1 per 1.3 ft <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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<br>Concrete: Note 2 | 1 per 1.0 ft <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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        |
| 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<br>Concrete: Note 2 | 1 per 1.0 ft <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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        |

**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<br>( <a href="#">Note 1</a> )                                        | Base Insulation Layer                     |                                                                                            |                                       | Top Insulation Layer(s)                                                                                                                                           |                                           | Roof Cover<br>( <a href="#">Note 15</a> )                                         | MDP<br>(psf) |
|------------|---------------------------------------------------------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------|--------------|
|            |                                                                           | Type                                      | Fastener<br>( <a href="#">Note 2</a> , <a href="#">Note 11</a> )                           | Attach<br>( <a href="#">Note 17</a> ) | Type                                                                                                                                                              | Attach<br>( <a href="#">Notes 6,7,8</a> ) |                                                                                   |              |
| 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<br>Concrete: Note 2 | 1 per 1.0 ft <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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<br>Concrete: Note 2 | 1 per 1.3 ft <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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<br>Concrete: Note 2 | 1 per 1.0 ft <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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<br>Concrete: Note 2 | 1 per 1.0 ft <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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<br>Concrete: Note 2 | 1 per 1.0 ft <sup>2</sup>             | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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<br>( <a href="#">Note 1</a> )                                        | Base Insulation Layer                       |                                                                                            |                                       | Top Insulation Layer(s)                                                                                                                                   |                                                         | Roof Cover ( <a href="#">Note 15</a> )                                                                          |                                                                                   | MDP<br>( <a href="#">psf</a> ) |
|--------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------|
|                                                              |                                                                           | Type                                        | Fastener<br>( <a href="#">Note 2</a> , <a href="#">Note 11</a> )                           | Attach<br>( <a href="#">Note 17</a> ) | Type                                                                                                                                                      | Attach<br>( <a href="#">Notes 6,7,8</a> )               | 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<br>Concrete: Note 2 | 1 per 4.0 ft <sup>2</sup>             | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><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<br>Concrete: Note 2 | 1 per 4.0 ft <sup>2</sup>             | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><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<br>Concrete: Note 2 | 1 per 1.6 ft <sup>2</sup>             | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><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<br>Concrete: Note 2 | 1 per 4.0 ft <sup>2</sup>             | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><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 <sup>2</sup>             | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><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<br>Concrete: Note 2 | 1 per 4.0 ft <sup>2</sup>             | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><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 <sup>2</sup>             | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><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<br>(Note 1)                                                          | Base Insulation Layer                       |                                                                                            |                           | Top Insulation Layer(s)                                                                                                                                     |                         | Roof Cover (Note 15)                 |                                                   | MDP<br>(psf) |
|------------|---------------------------------------------------------------------------|---------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------|---------------------------------------------------|--------------|
|            |                                                                           | Type                                        | Fastener<br>(Note 2, Note 11)                                                              | Attach<br>(Note 17)       | Type                                                                                                                                                        | Attach<br>(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<br>Concrete: Note 2 | 1 per 4.0 ft <sup>2</sup> | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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 <sup>2</sup> | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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 <sup>2</sup> | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><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<br><a href="#">(Note 1)</a>    | Thermal Barrier                                                                  |                                                                 |                                     | Primer          | Vapor Barrier                              | Base Insulation Layer                       |                                            | Top Insulation Layer(s)                                                                                                                                     |                                            | Roof Cover<br><a href="#">(Note 15)</a>                 | <a href="#">MDP</a><br><a href="#">(psf)</a> |
|----------------------------------------|-------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------|-----------------|--------------------------------------------|---------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------------------------------|----------------------------------------------|
|                                        |                                     | Type                                                                             | Fasten<br><a href="#">(Note 2, Note 11)</a>                     | Attach<br><a href="#">(Note 17)</a> |                 |                                            | Type                                        | Attach<br><a href="#">(Notes 6,7,8)</a>    | Type                                                                                                                                                        | Attach<br><a href="#">(Notes 6,7,8)</a>    |                                                         |                                              |
| 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 ft²                       | 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<br><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 ft²                       | 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*                                       |
| 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 ft²                       | 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                                        |

**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<br>( <a href="#">Note 1</a> )  | Thermal Barrier                                                                  |                                                                 |                                       | Primer          | Vapor Barrier                              | Base Insulation Layer                                  |                                                         | Top Insulation Layer(s)                                                                                                                                                                                |                                                         | Roof Cover<br>( <a href="#">Note 15</a> )                                         | MDP<br>( <a href="#">psf</a> ) |
|---------------------------------------------------------------------|-------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------|-----------------|--------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------|
|                                                                     |                                     | Type                                                                             | Fasten<br>( <a href="#">Note 2</a> , <a href="#">Note 11</a> )  | Attach<br>( <a href="#">Note 17</a> ) |                 |                                            | Type                                                   | Attach<br>( <a href="#">Notes 6,7,8</a> )               | Type                                                                                                                                                                                                   | Attach<br>( <a href="#">Notes 6,7,8</a> )               |                                                                                   |                                |
| 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 <sup>2</sup>             | 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 <sup>2</sup>             | 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.) | Insulation: (Optional) Additional layer(s) base insulation<br>Coverboard: 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                          |
| <b>WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (PARTIAL BOND):</b> |                                     |                                                                                  |                                                                 |                                       |                 |                                            |                                                        |                                                         |                                                                                                                                                                                                        |                                                         |                                                                                   |                                |
| 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 <sup>2</sup>             | 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)              | Insulation: (Optional) Additional layer(s) base insulation<br>Coverboard: 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 <sup>2</sup>             | 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)              | Insulation: (Optional) Additional layer(s) base insulation<br>Coverboard: 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*                         |
| <b>WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (FULL BOND):</b>    |                                     |                                                                                  |                                                                 |                                       |                 |                                            |                                                        |                                                         |                                                                                                                                                                                                        |                                                         |                                                                                   |                                |
| 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 <sup>2</sup>             | 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)              | Insulation: (Optional) Additional layer(s) base insulation<br>Coverboard: 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*                         |

**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<br><a href="#">(Note 1)</a>    | Thermal Barrier                                                                  |                                                                 |                                     | Primer          | Vapor Barrier                              | Base Insulation Layer                       |                                                         | Top Insulation Layer(s)                                                                                                                                                                                                |                                            | Roof Cover<br><a href="#">(Note 15)</a>                                           | <a href="#">MDP (psf)</a> |
|------------|-------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------|-----------------|--------------------------------------------|---------------------------------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------------------------------------------------|---------------------------|
|            |                                     | Type                                                                             | Fasten<br><a href="#">(Note 2, Note 11)</a>                     | Attach<br><a href="#">(Note 17)</a> |                 |                                            | Type                                        | Attach<br><a href="#">(Notes 6,7,8)</a>                 | Type                                                                                                                                                                                                                   | Attach<br><a href="#">(Notes 6,7,8)</a>    |                                                                                   |                           |
| 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 <sup>2</sup>           | 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 <sup>2</sup>           | 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<br><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 <sup>2</sup>           | 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 <sup>2</sup>           | 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<br><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<br>( <a href="#">Note 1</a> )                                        | Base Insulation Layer<br>( <a href="#">Note 3</a> , <a href="#">Note 13</a> ) | Top Insulation Layer                                           |                                                                                                                                                 |                                       | Roof Cover<br>( <a href="#">Note 15</a> )                              | <a href="#">MDP</a><br>(psf) |
|----------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------|------------------------------|
|                                        |                                                                           |                                                                               | Type                                                           | Fastener ( <a href="#">Note 2</a> , <a href="#">Note 11</a> )                                                                                   | Attach<br>( <a href="#">Note 17</a> ) |                                                                        |                              |
| 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<br>Concrete: Note 2                                                      | 1 per 3.2 ft²                         | 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<br>Concrete: Note 2                                                      | 1 per 5.3 ft²                         | 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<br>Concrete: WeatherBond HD 14-10 or CD-10 with ACCUTRAC Insulation Fastening Plate              | 1 per 4.0 ft²                         | 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 ft²                         | 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 ft²                         | 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 ft²                         | 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 ft²                         | 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 ft²                         | 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 ft²                         | 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<br>Concrete: WeatherBond HD 14-10 or CD-10 with SecurFast Insulation Fastening Plate | 1 per 5.3 ft²                         | 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<br>Concrete: Note 2                                                      | 1 per 5.3 ft²                         | 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<br>( <a href="#">Note 1</a> )                                        | Base Insulation Layer<br>( <a href="#">Note 3</a> , <a href="#">Note 13</a> ) | Top Insulation Layer                                            |                                                                                                                                                 |                                       | Roof Cover<br>( <a href="#">Note 15</a> )                              | MDP<br>(psf) |
|------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------|--------------|
|            |                                                                           |                                                                               | Type                                                            | Fastener ( <a href="#">Note 2</a> , <a href="#">Note 11</a> )                                                                                   | Attach<br>( <a href="#">Note 17</a> ) |                                                                        |              |
| 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 <sup>2</sup>             | 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 <sup>2</sup>             | 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<br>Concrete: WeatherBond HD 14-10 or CD-10 with SecurFast Insulation Fastening Plate | 1 per 3.2 ft <sup>2</sup>             | 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 <sup>2</sup>             | 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 <sup>2</sup>             | 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 <sup>2</sup>             | 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<br>Concrete: WeatherBond HD 14-10 or CD-10 with SecurFast Insulation Fastening Plate | 1 per 4.0 ft <sup>2</sup>             | 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<br>Concrete: Note 2                                                      | 1 per 4.0 ft <sup>2</sup>             | 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 <sup>2</sup>             | 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<br>Concrete: WeatherBond HD 14-10 or CD-10 with SecurFast Insulation Fastening Plate | 1 per 5.3 ft <sup>2</sup>             | 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 <sup>2</sup>             | 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<br>( <a href="#">Note 1</a> )                                        | Base Insulation Layer<br>( <a href="#">Note 3</a> , <a href="#">Note 13</a> ) | Top Insulation Layer                                            |                                                                                                                                                                       |                                       | Roof Cover<br>( <a href="#">Note 15</a> )                              | MDP<br>(psf) |
|------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------|--------------|
|            |                                                                           |                                                                               | Type                                                            | Fastener ( <a href="#">Note 2</a> , <a href="#">Note 11</a> )                                                                                                         | Attach<br>( <a href="#">Note 17</a> ) |                                                                        |              |
| 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 <sup>2</sup>             | 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 <sup>2</sup>             | 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 <sup>2</sup>             | 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 <sup>2</sup>             | 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<br>Concrete: WeatherBond HD 14-10 or CD-10 with SecurFast Insulation Fastening Plate | 1 per 3.2 ft <sup>2</sup>             | 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 <sup>2</sup>             | 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 <sup>2</sup>             | 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 <sup>2</sup>             | 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<br>Concrete: WeatherBond HD 14-10 or CD-10 with SecurFast Insulation Fastening Plate | 1 per 2.0 ft <sup>2</sup>             | 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<br>Concrete: WeatherBond HD 14-10 or CD-10 with ACCUTRAC Fastening Plate                         | 1 per 2.9 ft <sup>2</sup>             | 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 <sup>2</sup>             | 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<br>( <a href="#">Note 1</a> )                                        | Base Insulation Layer<br>( <a href="#">Note 3</a> , <a href="#">Note 13</a> ) | Top Insulation Layer                                           |                                                                                                                                                                       |                                       | Roof Cover<br>( <a href="#">Note 15</a> )                              | MDP<br>( <a href="#">psf</a> ) |
|------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------|--------------------------------|
|            |                                                                           |                                                                               | Type                                                           | Fastener ( <a href="#">Note 2</a> , <a href="#">Note 11</a> )                                                                                                         | Attach<br>( <a href="#">Note 17</a> ) |                                                                        |                                |
| 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 <sup>2</sup>             | 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<br>Concrete: Note 2                                                                            | 1 per 1.8 ft <sup>2</sup>             | 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 <sup>2</sup>             | 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 <sup>2</sup>             | 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 <sup>2</sup>             | 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<br>Concrete: WeatherBond HD 14-10 or CD-10 with SecurFast Insulation Fastening Plate | 1 per 1.0 ft <sup>2</sup>             | 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<br>Concrete: Note 2                                                                            | 1 per 1.8 ft <sup>2</sup>             | 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 <sup>2</sup>             | 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 <sup>2</sup>             | 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 <sup>2</sup>             | 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 <sup>2</sup>             | WeatherBond TPO / CAV-GRIP III AP                                      | -75.0                          |
| 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 <sup>2</sup>             | WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA                | -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<br>( <a href="#">Note 1</a> )                                        | Base Insulation Layer<br>( <a href="#">Note 3</a> , <a href="#">Note 13</a> )   | Top Insulation Layer                                          |                                                                                            |                                       | Roof Cover<br>( <a href="#">Note 15</a> )                 | MDP<br>(psf) |
|------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------|--------------|
|            |                                                                           |                                                                                 | Type                                                          | Fastener ( <a href="#">Note 2</a> , <a href="#">Note 11</a> )                              | Attach<br>( <a href="#">Note 17</a> ) |                                                           |              |
| 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<br>Concrete: Note 2 | 1 per 1.6 ft <sup>2</sup>             | 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 <sup>2</sup>             | 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 <sup>2</sup>             | 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 <sup>2</sup>             | 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 <sup>2</sup>             | 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 <sup>2</sup>             | 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 <sup>2</sup>             | 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 <sup>2</sup>             | 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 AC Foam II              | Min. 0.5-inch WB XFP HD Plus or EcoStorm VSH                  | Note 2                                                                                     | 1 per 1.3 ft <sup>2</sup>             | 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, AC Foam II or ENRGY 3     | Min. 2-inch WB XFP HD Composite                               | Steel: WeatherBond Insulation Fastener with Insulation Fastening Plate<br>Concrete: Note 2 | 1 per 1.3 ft <sup>2</sup>             | 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 <sup>2</sup>             | WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA   | -112.5       |
| 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 <sup>2</sup>             | WeatherBond TPO / CAV-GRIP III AP or WB-TPO-BA            | -120.0       |

**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<br>( <a href="#">Note 1</a> )                                        | Base Insulation Layer<br>( <a href="#">Note 3</a> , <a href="#">Note 13</a> ) | Top Insulation Layer                          |                                                                                            |                                       | Roof Cover<br>( <a href="#">Note 15</a> )                                         | MDP<br>(psf) |
|---------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------|--------------|
|                                                                     |                                                                           |                                                                               | Type                                          | Fastener ( <a href="#">Note 2</a> , <a href="#">Note 11</a> )                              | Attach<br>( <a href="#">Note 17</a> ) |                                                                                   |              |
| 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 <sup>2</sup>             | 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<br>Concrete: Note 2 | 1 per 1.0 ft <sup>2</sup>             | 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<br>Concrete: Note 2 | 1 per 1.0 ft <sup>2</sup>             | 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<br>Concrete: Note 2 | 1 per 1.0 ft <sup>2</sup>             | 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 <sup>2</sup>             | 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<br>Concrete: Note 2 | 1 per 1.0 ft <sup>2</sup>             | WeatherBond TPO / CAV-GRIP III AP, LVOC BA or WB-TPO-BA                           | -150.0       |
| <b>WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (PARTIAL BOND):</b> |                                                                           |                                                                               |                                               |                                                                                            |                                       |                                                                                   |              |
| 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 <sup>2</sup>             | 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 <sup>2</sup>             | 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 <sup>2</sup>             | 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 <sup>2</sup>             | WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0*       |
| <b>WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (FULL BOND):</b>    |                                                                           |                                                                               |                                               |                                                                                            |                                       |                                                                                   |              |
| 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<br>Concrete: Note 2 | 1 per 3.2 ft <sup>2</sup>             | WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -30.0*       |

**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<br>( <a href="#">Note 1</a> )                                        | Base Insulation Layer<br>( <a href="#">Note 3</a> , <a href="#">Note 13</a> ) | Top Insulation Layer                                    |                                                                                                                                                                       |                                       | Roof Cover<br>( <a href="#">Note 15</a> )                                         | MDP<br>(psf) |
|------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------|--------------|
|            |                                                                           |                                                                               | Type                                                    | Fastener ( <a href="#">Note 2</a> , <a href="#">Note 11</a> )                                                                                                         | Attach<br>( <a href="#">Note 17</a> ) |                                                                                   |              |
| 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<br>Concrete: Note 2                                                                            | 1 per 5.3 ft²                         | 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<br>Concrete: WeatherBond HD 14-10 or CD-10 with ACCUTRAC Fastening Plate                         | 1 per 4.0 ft²                         | 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<br>Concrete: WeatherBond HD 14-10 or CD-10 with SecurFast Insulation Fastening Plate | 1 per 5.3 ft²                         | 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 ft²                         | 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 ft²                         | 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<br>Concrete: WeatherBond HD 14-10 or CD-10 with SecurFast Insulation Fastening Plate | 1 per 3.2 ft²                         | 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<br>Concrete: WeatherBond HD 14-10 or CD-10 with SecurFast Insulation Fastening Plate | 1 per 2.0 ft²                         | 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 ft²                         | 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 ft²                         | 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 ft²                         | WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0*       |
| 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<br>Concrete: Note 2                                                                            | 1 per 4.0 ft²                         | 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<br>( <a href="#">Note 1</a> )                                        | Base Insulation Layer<br>( <a href="#">Note 3</a> , <a href="#">Note 13</a> ) | Top Insulation Layer                                    |                                                                                                                                                                       |                                       | Roof Cover<br>( <a href="#">Note 15</a> )                                         | MDP<br>(psf) |
|------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------|--------------|
|            |                                                                           |                                                                               | Type                                                    | Fastener ( <a href="#">Note 2</a> , <a href="#">Note 11</a> )                                                                                                         | Attach<br>( <a href="#">Note 17</a> ) |                                                                                   |              |
| 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<br>Concrete: WeatherBond HD 14-10 or CD-10 with SecurFast Insulation Fastening Plate | 1 per 3.2 ft²                         | 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<br>Concrete: WeatherBond HD 14-10 or CD-10 with SecurFast Insulation Fastening Plate | 1 per 4.0 ft²                         | 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<br>Concrete: WeatherBond HD 14-10 or CD-10 with SecurFast Insulation Fastening Plate | 1 per 5.3 ft²                         | 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 ft²                         | 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<br>Concrete: WeatherBond HD 14-10 or CD-10 with ACCUTRAC Fastening Plate                         | 1 per 2.9 ft²                         | 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 ft²                         | 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<br>Concrete: Note 2                                                                            | 1 per 1.8 ft²                         | 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 ft²                         | 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<br>Concrete: WeatherBond HD 14-10 or CD-10 with SecurFast Insulation Fastening Plate | 1 per 1.0 ft²                         | 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 ft²                         | WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)                 | -60.0        |
| 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<br>Concrete: Note 2                                                                            | 1 per 1.8 ft²                         | 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<br>( <a href="#">Note 1</a> )                                        | Base Insulation Layer<br>( <a href="#">Note 3</a> , <a href="#">Note 13</a> )   | Top Insulation Layer                             |                                                                                                                                            |                                       | Roof Cover<br>( <a href="#">Note 15</a> )                                         | MDP<br>(psf) |
|------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------|--------------|
|            |                                                                           |                                                                                 | Type                                             | Fastener ( <a href="#">Note 2</a> , <a href="#">Note 11</a> )                                                                              | Attach<br>( <a href="#">Note 17</a> ) |                                                                                   |              |
| 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 <sup>2</sup>             | 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 <sup>2</sup>             | 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<br>Concrete: Note 2                                                 | 1 per 1.6 ft <sup>2</sup>             | 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 <sup>2</sup>             | 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 <sup>2</sup>             | 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 <sup>2</sup>             | 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<br>Concrete: Note 2 | 1 per 1.0 ft <sup>2</sup>             | 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 <sup>2</sup>             | 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 <sup>2</sup>             | 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 <sup>2</sup>             | 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<br>Concrete: Note 2                                                 | 1 per 1.3 ft <sup>2</sup>             | WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)                 | -112.5       |
| 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<br>Concrete: Note 2                                                 | 1 per 1.0 ft <sup>2</sup>             | WeatherBond TPO Fleece / Flexible DASH or Flexible DASH DT (FULL)                 | -127.5       |

**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<br>( <a href="#">Note 1</a> )                                        | Base Insulation Layer<br>( <a href="#">Note 3</a> , <a href="#">Note 13</a> )   | Top Insulation Layer                                                                                     |                                                                                                                                   |                                       | Roof Cover<br>( <a href="#">Note 15</a> )                                       | MDP<br>(psf) |
|---------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------|--------------|
|                                                   |                                                                           |                                                                                 | Type                                                                                                     | Fastener ( <a href="#">Note 2</a> , <a href="#">Note 11</a> )                                                                     | Attach<br>( <a href="#">Note 17</a> ) |                                                                                 |              |
| 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<br>Concrete: Note 2                                        | 1 per 1.0 ft²                         | 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 ft²                         | 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 ft²                         | 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 ft²                         | 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 and Insulation Fastening Plate or SecurFast Insulation Fastening Plate<br>Concrete: Note 2 | 1 per 1.0 ft²                         | 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<br>Concrete: Note 2                                        | 1 per 1.0 ft²                         | 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 ft²                         | WeatherBond TPO Fleece / Flexible DASH DT (FULL)                                | -157.5       |
| <b>WEATHERBOND PAS TPO MEMBRANE APPLICATIONS:</b> |                                                                           |                                                                                 |                                                                                                          |                                                                                                                                   |                                       |                                                                                 |              |
| 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 ft²                         | 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 ft²                         | 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 ft²                         | WeatherBond PAS TPO, self-adhered                                               | -45.0*       |
| 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 ft²                         | 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<br>(Note 1)                                                          | Base Insulation Layer<br>(Note 3, Note 13)                                      | Top Insulation Layer                        |                            |                           | Roof Cover<br>(Note 15)           | MDP<br>(psf) |
|------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------|----------------------------|---------------------------|-----------------------------------|--------------|
|            |                                                                           |                                                                                 | Type                                        | Fastener (Note 2, Note 11) | Attach<br>(Note 17)       |                                   |              |
| 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 <sup>2</sup> | 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<br>( <a href="#">Note 1</a> )                                        | Base Insulation Layer<br>( <a href="#">Note 3</a> , <a href="#">Note 13</a> ) | Top Insulation Layer                           |                                                                                            |                                       | Roof Cover<br>( <a href="#">Note 15</a> ) |                                                   | MDP<br>(psf) |
|--------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------|---------------------------------------------------|--------------|
|                                                  |                                                                           |                                                                               | Type                                           | Fastener ( <a href="#">Note 2</a> , <a href="#">Note 11</a> )                              | Attach<br>( <a href="#">Note 17</a> ) | 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<br>Concrete: Note 2 | 1 per 1.8 ft²                         | 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<br>Concrete: Note 2 | 1 per 1.6 ft²                         | 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 ft²                         | 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<br>Concrete: Note 2 | 1 per 1.0 ft²                         | 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<br>( <a href="#">Note 1</a> )                                                                                | Insulation Layer<br>( <a href="#">Note 3</a> , <a href="#">Note 13</a> )          | Attachment                                                                                               |                                                                                                                 | Roof Cover ( <a href="#">Note 15B</a> )                                                             | MDP<br>( <a href="#">psf</a> ) |
|---------------------|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------|
|                     |                                                                                                                   |                                                                                   | Fastener ( <a href="#">Note 11</a> )                                                                     | Density                                                                                                         |                                                                                                     |                                |
| RHINO BOND SYSTEMS: |                                                                                                                   |                                                                                   |                                                                                                          |                                                                                                                 |                                                                                                     |                                |
| SC-213              | Min. 22 ga., type B, Grade 33 steel                                                                               | Min. 1-inch thick, one or more layers, any combination. <a href="#">Note A.</a>   | WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO | 1 per 5.3 ft²<br>(6 parts per 4 x 8 ft board)<br>Per FM Loss Prevention Data Sheet 1-29; <a href="#">Note B</a> | 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. <a href="#">Note C.</a>   | WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO | 1 per 4.0 ft²<br>(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 Teks 1, 24" o.c. | Min. 1-inch thick, one or more layers, any combination. <a href="#">Note C.</a>   | WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO | 1 per 4.0 ft²<br>(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. <a href="#">Note A.</a>   | WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO | 1 per 4.0 ft²<br>(8 parts per 4 x 8 ft board)<br>Per FM Loss Prevention Data Sheet 1-29; <a href="#">Note B</a> | 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 ft²<br>(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. <a href="#">Note C.</a> | WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO | 1 per 3.2 ft²<br>(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. <a href="#">Note A.</a>   | WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO | 1 per 4.0 ft²<br>(8 parts per 4 x 8 ft board)<br>Per FM Loss Prevention Data Sheet 1-29; <a href="#">Note B</a> | 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. <a href="#">Note C.</a> | WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO | 1 per 2.7 ft²<br>(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. <a href="#">Note C.</a> | WeatherBond HPWX Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO | 1 per 2.0 ft²<br>(16 parts per 4 x 8 ft board)<br>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<br>( <a href="#">Note 1</a> )                                                                               | Insulation Layer<br>( <a href="#">Note 3</a> , <a href="#">Note 13</a> )         | Attachment                                                                                               |                                                                                                                             | Roof Cover ( <a href="#">Note 15B</a> )                                                             | MDP<br>(psf) |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------|
|                                          |                                                                                                                  |                                                                                  | Fastener ( <a href="#">Note 11</a> )                                                                     | 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        |
| <b>ISOWELD INDUCTION WELDING SYSTEM:</b> |                                                                                                                  |                                                                                  |                                                                                                          |                                                                                                                             |                                                                                                     |              |
| SC-229                                   | Min. 22 ga., type B, Grade 33 steel                                                                              | Min. 1-inch thick, one or more layers, any combination. <a href="#">Note A.</a>  | Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate                                                   | 1 per 5.3 ft <sup>2</sup><br>(6 parts per 4 x 8 ft board)<br>Per FM Loss Prevention Data Sheet 1-29; <a href="#">Note B</a> | 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. <a href="#">Note C.</a>  | Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate                                                   | 1 per 4.0 ft <sup>2</sup><br>(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 1, 24" o.c. | Min. 1-inch thick, one or more layers, any combination. <a href="#">Note C.</a>  | Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate                                                   | 1 per 4.0 ft <sup>2</sup><br>(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. <a href="#">Note A.</a>  | Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate                                                   | 1 per 4.0 ft <sup>2</sup><br>(8 parts per 4 x 8 ft board)<br>Per FM Loss Prevention Data Sheet 1-29; <a href="#">Note B</a> | 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 <sup>2</sup><br>(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<br>( <a href="#">Note 1</a> )  | Insulation Layer<br>( <a href="#">Note 3</a> , <a href="#">Note 13</a> )          | Attachment                                                                                    |                                                                                                                                        | Roof Cover ( <a href="#">Note 15B</a> )                                                                | MDP<br>(psf) |
|------------|-------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------|
|            |                                     |                                                                                   | Fastener ( <a href="#">Note 11</a> )                                                          | 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 <sup>2</sup><br>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 <sup>2</sup><br>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 <sup>2</sup><br>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 <sup>2</sup><br>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 <sup>2</sup><br>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 <sup>2</sup><br>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 <sup>2</sup><br>1.5 x 1.5-ft grid<br>(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. <a href="#">Note C.</a> | Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate                                        | 1 per 2.0 ft <sup>2</sup><br>(16 parts per 4 x 8 ft board)<br>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<br>( <a href="#">Note 1</a> )                                                                                                                                                                                                                                                                                                                              | Insulation Layer<br>( <a href="#">Note 3</a> , <a href="#">Note 13</a> )         | Attachment                                                                                    |                                   | Roof Cover ( <a href="#">Note 15B</a> )                                                      | MDP<br>(psf) |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------|--------------|
|            |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                  | Fastener ( <a href="#">Note 11</a> )                                                          | 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 <a href="#">(Note 1)</a>                                                                                                                               | Insulation Layer <a href="#">(Note 3, Note 13)</a>                                                                            |                                 | Roof Cover <a href="#">(Note 15A)</a> |                                                                                                                                                                                          |                  |           |                 |                  | <a href="#">MDP</a><br><a href="#">(psf)</a> |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------|-----------------|------------------|----------------------------------------------|
|                                  |                                                                                                                                                             | Type                                                                                                                          | Attach <a href="#">(Note 5)</a> | Membrane                              | Fastener <a href="#">(Note 11)</a>                                                                                                                                                       | 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 <a href="#">(Note 1)</a>                                                                                                                                                                       | Insulation Layer <a href="#">(Note 3, Note 13)</a> |                                 | Roof Cover <a href="#">(Note 15A)</a> |                                                                                                                                                                                          |                  |           |                 |                  | MDP <a href="#">(psf)</a> |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|---------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------|-----------------|------------------|---------------------------|
|            |                                                                                                                                                                                                     | Type                                               | Attach <a href="#">(Note 5)</a> | Membrane                              | Fastener <a href="#">(Note 11)</a>                                                                                                                                                       | 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 <a href="#">(Note 1)</a>                                                                                                                                                                       | Insulation Layer <a href="#">(Note 3, Note 13)</a> |                                 | Roof Cover <a href="#">(Note 15A)</a> |                                                                                                                                                                                          |                  |           |                 |                  | MDP <a href="#">(psf)</a> |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|---------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------|-----------------|------------------|---------------------------|
|            |                                                                                                                                                                                                     | Type                                               | Attach <a href="#">(Note 5)</a> | Membrane                              | Fastener <a href="#">(Note 11)</a>                                                                                                                                                       | 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 <a href="#">(Note 1)</a>                                                                                                                                                                       | Insulation Layer <a href="#">(Note 3, Note 13)</a>                                                                            |                                 | Roof Cover <a href="#">(Note 15A)</a> |                                                                                                                                                                                          |                  |           |                 |                  | MDP <a href="#">(psf)</a> |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------|-----------------|------------------|---------------------------|
|            |                                                                                                                                                                                                     | Type                                                                                                                          | Attach <a href="#">(Note 5)</a> | Membrane                              | Fastener <a href="#">(Note 11)</a>                                                                                                                                                       | 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 S-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/ 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                                                                                                                                            | 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/ 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 (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/ 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  | 90.5-inch o.c.  | 1.5-inch outside | -52.5                     |
| 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                     |

**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 <a href="#">(Note 1)</a>                                                                                                                                                                                     | Insulation Layer <a href="#">(Note 3, Note 13)</a> |                                 | Roof Cover <a href="#">(Note 15A)</a> |                                                                                                                                                                                          |                  |           |                 |                  | <a href="#">MDP (psf)</a> |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|---------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------|-----------------|------------------|---------------------------|
|            |                                                                                                                                                                                                                   | Type                                               | Attach <a href="#">(Note 5)</a> | Membrane                              | Fastener <a href="#">(Note 11)</a>                                                                                                                                                       | Fastener Spacing | Lap Width | Lap Spacing     | Seam Weld        |                           |
| 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                     |
| 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                     |

**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 <a href="#">(Note 1)</a>                                                                                 | Insulation Layer <a href="#">(Note 3, Note 13)</a>           |                                 | Roof Cover <a href="#">(Note 15A)</a> |                                                                                                                                                                                          |                  |           |                 |                  | MDP <a href="#">(psf)</a> |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------|-----------------|------------------|---------------------------|
|                                             |                                                                                                               | Type                                                         | Attach <a href="#">(Note 5)</a> | Membrane                              | Fastener <a href="#">(Note 11)</a>                                                                                                                                                       | Fastener Spacing | Lap Width | Lap Spacing     | Seam Weld        |                           |
| 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                    |
| <b>WEATHERBOND TPO FLEECE APPLICATIONS:</b> |                                                                                                               |                                                              |                                 |                                       |                                                                                                                                                                                          |                  |           |                 |                  |                           |
| 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                     |

**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 <a href="#">(Note 1)</a>                                             | Insulation Layer <a href="#">(Note 3, Note 13)</a> |                                 | Roof Cover <a href="#">(Note 15A)</a> |                                                                                                                                                                                                                |                  |           |                 |                  | MDP <a href="#">(psf)</a> |
|------------|---------------------------------------------------------------------------|----------------------------------------------------|---------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------|-----------------|------------------|---------------------------|
|            |                                                                           | Type                                               | Attach <a href="#">(Note 5)</a> | Membrane                              | Fastener <a href="#">(Note 11)</a>                                                                                                                                                                             | Fastener Spacing | Lap Width | Lap Spacing     | Seam Weld        |                           |
| 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 21: 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 <a href="#">(Note 1)</a>                                             | Insulation                          |                                 | Roof Cover <a href="#">(Note 15A)</a> |                                                                                                                   |                                                                                                                                                                                                                                                                                              | MDP <a href="#">(psf)</a> |
|------------|---------------------------------------------------------------------------|-------------------------------------|---------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
|            |                                                                           | Type                                | Attach <a href="#">(Note 5)</a> | Membrane                              | Fastener <a href="#">(Note 11)</a>                                                                                | 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<br><a href="#">(Note 1)</a>   | Base Insulation Layer                                                                                      |                                            | Top Insulation Layer(s)                                                                                                                 |                                            | Roof Cover <a href="#">(Note 15)</a> |                  | <a href="#">MDP (psf)</a> |
|----------------------------------------|------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------|------------------|---------------------------|
|                                        |                                    | Type                                                                                                       | Attach<br><a href="#">(Notes 6,7,8)</a>    | Type                                                                                                                                    | Attach<br><a href="#">(Notes 6,7,8)</a>    | 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<br><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<br><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<br><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<br><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<br><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<br><u>Coverboard:</u> Min. 0.25-inch DensDeck Prime                   | Flexible DASH or Flexible DASH DT (RIBBON) | WeatherBond TPO                      | CAV-GRIP III AP  | -232.5                    |
| 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<br><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                    |

**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<br>( <a href="#">Note 1</a> ) | Base Insulation Layer                                                                                      |                                              | Top Insulation Layer(s)                                                                                                                         |                                              | Roof Cover ( <a href="#">Note 15</a> ) |                 | MDP<br>(psf) |
|------------|------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------|-----------------|--------------|
|            |                                    | Type                                                                                                       | Attach<br>( <a href="#">Notes 6,7,8</a> )    | Type                                                                                                                                            | Attach<br>( <a href="#">Notes 6,7,8</a> )    | Membrane                               | Application     |              |
| 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<br><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<br><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<br><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<br><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<br><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<br><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<br><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<br><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<br><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       |
| 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<br><u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH                              | Flexible DASH or Flexible DASH DT (RIBBON)   | WeatherBond TPO                        | CAV-GRIP III AP | -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<br><a href="#">(Note 1)</a>   | Base Insulation Layer                                                                                      |                                            | Top Insulation Layer(s)                                                                                                                 |                                            | Roof Cover <a href="#">(Note 15)</a> |                 | <a href="#">MDP (psf)</a> |
|------------|------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------|-----------------|---------------------------|
|            |                                    | Type                                                                                                       | Attach<br><a href="#">(Notes 6,7,8)</a>    | Type                                                                                                                                    | Attach<br><a href="#">(Notes 6,7,8)</a>    | Membrane                             | Application     |                           |
| 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<br><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<br><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<br><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<br><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<br><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<br><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<br><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<br><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<br><u>Coverboard:</u> Min. 0.5-inch WB XFP HD                                                  | Flexible DASH DT (RIBBON)                  | WeatherBond TPO                      | LVOC BA         | -127.5                    |
| 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<br><u>Coverboard:</u> Min. 0.5-inch WB XFP HD                                                  | Flexible DASH DT (FULL)                    | WeatherBond TPO                      | LVOC BA         | -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<br><a href="#">(Note 1)</a>   | Base Insulation Layer                                                                                      |                                              | Top Insulation Layer(s)                                                                                                                         |                                              | Roof Cover <a href="#">(Note 15)</a> |             | <a href="#">MDP</a><br><a href="#">(psf)</a> |
|------------|------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------|-------------|----------------------------------------------|
|            |                                    | Type                                                                                                       | Attach<br><a href="#">(Notes 6,7,8)</a>      | Type                                                                                                                                            | Attach<br><a href="#">(Notes 6,7,8)</a>      | Membrane                             | Application |                                              |
| 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<br><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<br><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<br><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<br><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<br><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<br><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<br><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<br><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<br><u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH                              | Flexible DASH DT (FULL)                      | WeatherBond TPO                      | LVOC BA     | -352.5                                       |
| 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<br><u>Coverboard:</u> Min. 2-inch WB XP-NB Polyiso                            | Flexible DASH or Flexible DASH DT (RIBBON)   | WeatherBond TPO                      | LVOC BA     | -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<br><a href="#">(Note 1)</a>   | Base Insulation Layer                                                                                      |                                            | Top Insulation Layer(s)                                                                                                                                |                                            | Roof Cover <a href="#">(Note 15)</a> |             | <a href="#">MDP</a><br><a href="#">(psf)</a> |
|------------|------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------|-------------|----------------------------------------------|
|            |                                    | Type                                                                                                       | Attach<br><a href="#">(Notes 6,7,8)</a>    | Type                                                                                                                                                   | Attach<br><a href="#">(Notes 6,7,8)</a>    | Membrane                             | Application |                                              |
| 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<br><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<br><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<br><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<br><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<br><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<br><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<br><u>Coverboard:</u> Min. 0.5-inch WB XFP HD                                                                 | Flexible DASH DT (RIBBON)                  | WeatherBond TPO                      | WB-TPO-BA   | -127.5                                       |
| 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<br><u>Coverboard:</u> Min. 0.5-inch WB XFP HD                                                                 | Flexible DASH DT (FULL)                    | WeatherBond TPO                      | WB-TPO-BA   | -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<br><a href="#">(Note 1)</a>   | Base Insulation Layer                                                                                      |                                              | Top Insulation Layer(s)                                                                                                                         |                                              | Roof Cover <a href="#">(Note 15)</a> |             | <a href="#">MDP</a><br><a href="#">(psf)</a> |
|------------|------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------|-------------|----------------------------------------------|
|            |                                    | Type                                                                                                       | Attach<br><a href="#">(Notes 6,7,8)</a>      | Type                                                                                                                                            | Attach<br><a href="#">(Notes 6,7,8)</a>      | Membrane                             | Application |                                              |
| 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<br><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<br><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<br><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<br><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<br><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<br><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<br><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<br><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<br><u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH                              | Flexible DASH DT (FULL)                      | WeatherBond TPO                      | WB-TPO-BA   | -352.5                                       |
| 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<br><u>Coverboard:</u> Min. 2-inch WB XP-NB Polyiso                            | Flexible DASH or Flexible DASH DT (RIBBON)   | WeatherBond TPO                      | WB-TPO-BA   | -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<br>( <a href="#">Note 1</a> ) | Base Insulation Layer                                                                                      |                                            | Top Insulation Layer(s)                                                                                                                   |                                            | Roof Cover ( <a href="#">Note 15</a> ) |                                       | <a href="#">MDP</a><br>( <a href="#">psf</a> ) |
|------------|------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------------|---------------------------------------|------------------------------------------------|
|            |                                    | Type                                                                                                       | Attach<br>( <a href="#">Notes 6,7,8</a> )  | Type                                                                                                                                      | Attach<br>( <a href="#">Notes 6,7,8</a> )  | Membrane                               | Application                           |                                                |
| 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<br><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<br><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<br><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<br><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<br><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<br><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<br><u>Coverboard</u> : Min. 0.25-inch DensDeck Prime                   | OB500                                      | WeatherBond TPO                        | CAV-GRIP III AP                       | -150.0                                         |
| 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                                         |

**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<br><a href="#">(Note 1)</a>   | Base Insulation Layer                                                                                      |                                            | Top Insulation Layer(s)                                                                                                                                                                  |                                            | Roof Cover <a href="#">(Note 15)</a> |                                                          | <a href="#">MDP</a><br><a href="#">(psf)</a> |
|---------------------------------------------------------------------|------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------|----------------------------------------------------------|----------------------------------------------|
|                                                                     |                                    | Type                                                                                                       | Attach<br><a href="#">(Notes 6,7,8)</a>    | Type                                                                                                                                                                                     | Attach<br><a href="#">(Notes 6,7,8)</a>    | Membrane                             | Application                                              |                                              |
| C-77.                                                               | Min. 2,500 psi structural concrete | Min. 2-inch WB XP Polyiso, WB XFP Polyiso                                                                  | OB500                                      | Insulation: (Optional) Additional layer(s) base insulation<br>Coverboard: 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                                       |
| <b>WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (PARTIAL BOND):</b> |                                    |                                                                                                            |                                            |                                                                                                                                                                                          |                                            |                                      |                                                          |                                              |
| 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) | Insulation: (Optional) Additional layer(s) base insulation<br>Coverboard: 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) | Insulation: (Optional) Additional layer(s) base insulation<br>Coverboard: 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) | Insulation: (Optional) Additional layer(s) base insulation<br>Coverboard: 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) | Insulation: (Optional) Additional layer(s) base insulation<br>Coverboard: 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                                        |
| <b>WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (FULL BOND):</b>    |                                    |                                                                                                            |                                            |                                                                                                                                                                                          |                                            |                                      |                                                          |                                              |
| 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                                       |
| 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                                       |

**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<br>( <a href="#">Note 1</a> ) | Base Insulation Layer                                                                                      |                                              | Top Insulation Layer(s)                                                                                                                 |                                              | Roof Cover ( <a href="#">Note 15</a> ) |                      | <a href="#">MDP</a><br>( <a href="#">psf</a> ) |
|------------|------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------|----------------------|------------------------------------------------|
|            |                                    | Type                                                                                                       | Attach<br>( <a href="#">Notes 6,7,8</a> )    | Type                                                                                                                                    | Attach<br>( <a href="#">Notes 6,7,8</a> )    | Membrane                               | Application          |                                                |
| 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<br><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<br><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<br><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<br><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<br><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<br><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<br><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<br><u>Coverboard:</u> Min. 7/16-inch APA rated OSB                    | Flexible DASH (RIBBON)                       | WeatherBond TPO Fleece                 | Flexible DASH (FULL) | -397.5                                         |
| 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<br><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<br><u>Coverboard:</u> Min. 7/16-inch APA rated OSB                    | Flexible DASH DT (FULL)                      | 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<br>( <a href="#">Note 1</a> ) | Base Insulation Layer                                                                                      |                                              | Top Insulation Layer(s)                                                                                                                         |                                              | Roof Cover ( <a href="#">Note 15</a> ) |                      | <a href="#">MDP</a><br>( <a href="#">psf</a> ) |
|------------|------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------|----------------------|------------------------------------------------|
|            |                                    | Type                                                                                                       | Attach<br>( <a href="#">Notes 6,7,8</a> )    | Type                                                                                                                                            | Attach<br>( <a href="#">Notes 6,7,8</a> )    | Membrane                               | Application          |                                                |
| 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<br><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<br><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<br><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<br><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<br><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<br><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<br><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<br><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<br><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                                         |
| 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<br><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<br><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                                         |

**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<br><a href="#">(Note 1)</a>   | Base Insulation Layer                                                                                      |                                              | Top Insulation Layer(s)                                                                                                                 |                                              | Roof Cover <a href="#">(Note 15)</a> |                         | <a href="#">MDP</a><br><a href="#">(psf)</a> |
|------------|------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------|-------------------------|----------------------------------------------|
|            |                                    | Type                                                                                                       | Attach<br><a href="#">(Notes 6,7,8)</a>      | Type                                                                                                                                    | Attach<br><a href="#">(Notes 6,7,8)</a>      | Membrane                             | Application             |                                              |
| 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<br><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<br><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<br><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<br><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<br><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                                       |
| 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<br><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<br><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                                       |

**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<br>( <a href="#">Note 1</a> ) | Base Insulation Layer                                                                                      |                                              | Top Insulation Layer(s)                                                                                                                         |                                              | Roof Cover ( <a href="#">Note 15</a> ) |                         | <a href="#">MDP</a><br>(psf) |
|------------|------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------|-------------------------|------------------------------|
|            |                                    | Type                                                                                                       | Attach<br>( <a href="#">Notes 6,7,8</a> )    | Type                                                                                                                                            | Attach<br>( <a href="#">Notes 6,7,8</a> )    | Membrane                               | Application             |                              |
| 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<br><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<br><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<br><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<br><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<br><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<br><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<br><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<br><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                       |
| 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<br><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<br><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<br><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                       |

**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<br><a href="#">(Note 1)</a>   | Base Insulation Layer                                                                                      |                                              | Top Insulation Layer(s)                                                                                                                         |                                              | Roof Cover <a href="#">(Note 15)</a> |                         | <a href="#">MDP</a><br><a href="#">(psf)</a> |
|------------|------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------|-------------------------|----------------------------------------------|
|            |                                    | Type                                                                                                       | Attach<br><a href="#">(Notes 6,7,8)</a>      | Type                                                                                                                                            | Attach<br><a href="#">(Notes 6,7,8)</a>      | Membrane                             | Application             |                                              |
| 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<br><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<br><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<br><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<br><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<br><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<br><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                                       |
| 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<br><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<br><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                                       |

**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<br><a href="#">(Note 1)</a>   | Base Insulation Layer                                                                                      |                                              | Top Insulation Layer(s)                                                                                                                         |                                              | Roof Cover <a href="#">(Note 15)</a> |              | <a href="#">MDP (psf)</a> |
|------------|------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------|--------------|---------------------------|
|            |                                    | Type                                                                                                       | Attach<br><a href="#">(Notes 6,7,8)</a>      | Type                                                                                                                                            | Attach<br><a href="#">(Notes 6,7,8)</a>      | Membrane                             | Application  |                           |
| 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<br><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<br><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<br><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<br><u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board         | Flexible DASH DT (RIBBON)                    | WeatherBond TPO Fleece               | HydroBond WB | -277.5                    |
| 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<br><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<br><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<br><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<br><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<br><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                    |

**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<br><a href="#">(Note 1)</a>   | Base Insulation Layer                                                                                      |                                              | Top Insulation Layer(s)                                                                                                                         |                                              | Roof Cover <a href="#">(Note 15)</a> |              | <a href="#">MDP</a><br><a href="#">(psf)</a> |
|---------------------------------------------------------|------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------|--------------|----------------------------------------------|
|                                                         |                                    | Type                                                                                                       | Attach<br><a href="#">(Notes 6,7,8)</a>      | Type                                                                                                                                            | Attach<br><a href="#">(Notes 6,7,8)</a>      | Membrane                             | Application  |                                              |
| 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<br><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<br><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<br><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<br><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                                       |
| 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<br><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<br><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<br><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<br><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<br><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                                       |
| <b>WEATHERBOND TPO AC FLEECE MEMBRANE APPLICATIONS:</b> |                                    |                                                                                                            |                                              |                                                                                                                                                 |                                              |                                      |              |                                              |
| 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                                       |

**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<br><a href="#">(Note 1)</a>   | Base Insulation Layer                                                                            |                                         | Top Insulation Layer(s)                                                                                                   |                                         | Roof Cover <a href="#">(Note 15)</a> |              | <a href="#">MDP (psf)</a> |
|---------------------------------------------------|------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--------------------------------------|--------------|---------------------------|
|                                                   |                                    | Type                                                                                             | Attach<br><a href="#">(Notes 6,7,8)</a> | Type                                                                                                                      | Attach<br><a href="#">(Notes 6,7,8)</a> | Membrane                             | Application  |                           |
| 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<br><u>Coverboard</u> : Min. 0.5-inch HP Recovery Board | HA                                      | WeatherBond TPO AC Fleece            | Hot Asphalt  | -150.0                    |
| <b>WEATHERBOND PAS TPO MEMBRANE APPLICATIONS:</b> |                                    |                                                                                                  |                                         |                                                                                                                           |                                         |                                      |              |                           |
| 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<br><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<br><a href="#">(Note 1)</a>   | Base Insulation Layer                                                          |                                            | Top Insulation Layer(s)                                                                                                                                     |                                            | Roof Cover <a href="#">(Note 15)</a> |                                                                   | <a href="#">MDP (psf)</a> |
|-----------------------------------------------------------|------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------|-------------------------------------------------------------------|---------------------------|
|                                                           |                                    | Type                                                                           | Attach<br><a href="#">(Notes 6,7,8)</a>    | Type                                                                                                                                                        | Attach<br><a href="#">(Notes 6,7,8)</a>    | 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<br><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<br><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<br><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<br><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<br><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 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<br>( <a href="#">Note 1</a> ) | Base Insulation Layer                       |                                           | Top Insulation Layer(s)                                                                                               |                                           | Roof Cover ( <a href="#">Note 15</a> ) |                                                   | MDP<br>( <a href="#">psf</a> ) |
|------------|------------------------------------|---------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------|---------------------------------------------------|--------------------------------|
|            |                                    | Type                                        | Attach<br>( <a href="#">Notes 6,7,8</a> ) | Type                                                                                                                  | Attach<br>( <a href="#">Notes 6,7,8</a> ) | Base Ply                               | Top Ply                                           |                                |
| 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<br><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<br><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<br><a href="#">(Note 1)</a>   | Insulation Layer<br><a href="#">(Note 3, Note 13)</a>                                | Attachment                                                                 |                                                                                                                    | Roof Cover <a href="#">(Note 15B)</a>                                                               | MDP<br><a href="#">(psf)</a> |
|---------------------|------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------|
|                     |                                    |                                                                                      | Fastener <a href="#">(Note 11)</a>                                         | 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 ft²<br>(6 parts per 4 x 8 ft board)<br>Per FM Loss Prevention Data Sheet 1-29;<br><a href="#">Note A</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 ft²<br>(8 parts per 4 x 8 ft board)<br>Per FM Loss Prevention Data Sheet 1-29;<br><a href="#">Note A</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.<br><a href="#">Note B.</a> | HD 14-10 or CD-10 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO | 1 per 3.2 ft²<br>(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 ft²<br>(8 parts per 4 x 8 ft board)<br>Per FM Loss Prevention Data Sheet 1-29;<br><a href="#">Note A</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.<br><a href="#">Note B.</a> | HD 14-10 or CD-10 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO | 1 per 2.7 ft²<br>(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.<br><a href="#">Note B.</a> | HD 14-10 or CD-10 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO | 1 per 2.0 ft²<br>(16 parts per 4 x 8 ft board)<br>Per FM Loss Prevention Data Sheet 1-29                           | WeatherBond TPO induction welded with RhinoBond tool per manufacturer's instructions.               | -97.5                        |

**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<br>( <a href="#">Note 1</a> ) | Insulation Layer<br>( <a href="#">Note 3</a> , <a href="#">Note 13</a> )         | Attachment                                                                   |                                                                                                                                        | Roof Cover ( <a href="#">Note 15B</a> )                                                             | MDP<br>(psf) |
|------------------------------------------|------------------------------------|----------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------|
|                                          |                                    |                                                                                  | Fastener ( <a href="#">Note 11</a> )                                         | Density                                                                                                                                |                                                                                                     |              |
| 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        |
| 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        |
| <b>ISOWELD INDUCTION WELDING SYSTEM:</b> |                                    |                                                                                  |                                                                              |                                                                                                                                        |                                                                                                     |              |
| 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 <sup>2</sup><br>(6 parts per 4 x 8 ft board)<br>Per FM Loss Prevention Data Sheet 1-29;<br><a href="#">Note A</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 <sup>2</sup><br>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 <sup>2</sup><br>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 <sup>2</sup><br>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 <sup>2</sup><br>1.5 x 1.5-ft grid<br>(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        |

**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 <a href="#">(Note 1)</a>                                                                                                                  | Insulation Layer <a href="#">(Note 3, Note 13)</a>                                | Attachment                                                                   |                                                                                                      | Roof Cover <a href="#">(Note 15B)</a>                                                        | MDP <a href="#">(psf)</a> |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|---------------------------|
|            |                                                                                                                                                |                                                                                   | Fastener <a href="#">(Note 11)</a>                                           | Density                                                                                              |                                                                                              |                           |
| C-191.     | Min. 2,500 psi structural concrete                                                                                                             | Min. 1.5-inch thick, one or more layers, any combination. <a href="#">Note B.</a> | Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with SFS isoweld F1-P-6.8-TPO Plate | 1 per 2.0 ft <sup>2</sup><br>(16 parts per 4 x 8 ft board)<br>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:     | A. The plate/fastener combination offset 12 inch from adjacent rows.<br>B. For these assemblies each row of insulation is staggered by 1 foot. |                                                                                   |                                                                              |                                                                                                      |                                                                                              |                           |

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

| System No.                                                | Deck <a href="#">(Note 1)</a>      | Primer                                        | Roof Cover <a href="#">(Note 15)</a> |                                               | MDP <a href="#">(psf)</a> |
|-----------------------------------------------------------|------------------------------------|-----------------------------------------------|--------------------------------------|-----------------------------------------------|---------------------------|
|                                                           |                                    |                                               | 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 ft²/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                    |

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

| System No.                             | Deck<br>( <a href="#">Note 1</a> )   | Lightweight Concrete<br>( <a href="#">Note 14</a> )                 | Base Insulation Layer                                  |                                                         | Top Insulation Layer(s)                                                                                                                                                                                                                                                                |                                                         | Roof Cover<br>( <a href="#">Note 15</a> )               | MDP<br>( <a href="#">psf</a> ) |
|----------------------------------------|--------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|--------------------------------|
|                                        |                                      |                                                                     | Type                                                   | Attach<br>( <a href="#">Notes 6,7,8</a> )               | Type                                                                                                                                                                                                                                                                                   | Attach<br>( <a href="#">Notes 6,7,8</a> )               |                                                         |                                |
| 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)              | Insulation: (Optional) Additional layer(s) base insulation<br><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.) | Insulation: (Optional) Additional layer(s) base insulation<br><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)              | Insulation: (Optional) Additional layer(s) base insulation<br><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 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.) | Insulation: (Optional) Additional layer(s) base insulation<br><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 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                         |

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

| System No.                                                | Deck<br>(Note 1)                     | Lightweight Concrete<br>(Note 14)                                   | Base Insulation Layer                                  |                                                         | Top Insulation Layer(s)                                                                                                                                                                                                                                                                   |                                                         | Roof Cover<br>(Note 15)                                                           | MDP<br>(psf) |
|-----------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------|--------------|
|                                                           |                                      |                                                                     | Type                                                   | Attach<br>(Notes 6,7,8)                                 | Type                                                                                                                                                                                                                                                                                      | Attach<br>(Notes 6,7,8)                                 |                                                                                   |              |
| WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (FULL BOND): |                                      |                                                                     |                                                        |                                                         |                                                                                                                                                                                                                                                                                           |                                                         |                                                                                   |              |
| 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<br><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<br><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<br><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<br><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 <a href="#">(Note 1)</a>      | Lightweight Concrete <a href="#">(Note 14)</a>                      | Base Insulation Layer                                  |                                                         | Top Insulation Layer(s)                                                                                                                                                                                                                                    |                                                         | Roof Cover <a href="#">(Note 15)</a>                                              | MDP <a href="#">(psf)</a> |
|------------|------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------|
|            |                                    |                                                                     | Type                                                   | Attach <a href="#">(Notes 6,7,8)</a>                    | Type                                                                                                                                                                                                                                                       | Attach <a href="#">(Notes 6,7,8)</a>                    |                                                                                   |                           |
| 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<br><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<br><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 B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER**

| System No. | Deck <a href="#">(Note 1)</a>                                     | Lightweight Concrete <a href="#">(Note 14)</a>                                            | Anchor Sheet    |                                      |                                                                                                     | Insulation                                                          |                                                                                                                           |                                      | Roof Cover <a href="#">(Note 15)</a>    | MDP <a href="#">(psf)</a> |
|------------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------|--------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-----------------------------------------|---------------------------|
|            |                                                                   |                                                                                           | Type            | Fastener <a href="#">(Note 11)</a>   | Attach                                                                                              | Base Layer                                                          | Top Layer(s)                                                                                                              | Attach <a href="#">(Notes 6,7,8)</a> |                                         |                           |
| LWC-17     | Min. 22 ga., Type B, Grade 33 vented steel or structural concrete | ELASTIZELL (NOA 23-0817.05):<br>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<br><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 <a href="#">(Note 1)</a>                                                                                 | Lightweight Concrete <a href="#">(Note 14)</a>                                                                                                                                                                                           |                                      |                                                          |               | Roof Cover <a href="#">(Note 15)</a> |                                                      | MDP <a href="#">(psf)</a> |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------------------------------------|---------------|--------------------------------------|------------------------------------------------------|---------------------------|
|                                        |                                                                                                               | 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 wth weld washers, 8-inch o.c.   | CELCORE (FL2037):<br>Treatment: Celcore S-1 Deck Preparation Slurry<br>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):<br>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). <a href="#">Note A.</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):<br>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. <a href="#">Note A.</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):<br>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). <a href="#">Note A.</a>                                              | None                                 | WeatherBond HPW Fastener with Insulation Fastening Plate | 1 per 9.0 ft² | WeatherBond TPO                      | Aqua Base 120, CAV-GRIP III AP, LVOC BA or WB-TPO-BA | -67.5<br><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):<br>Treatment: Celcore S-1 Deck Preparation Slurry<br>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):<br>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). <a href="#">Note A.</a>                                              | None                                 | WeatherBond HPW Fastener with Insulation Fastening Plate | 1 per 1.0 ft² | WeatherBond TPO                      | Aqua Base 120, CAV-GRIP III AP, LVOC BA or WB-TPO-BA | -120.0<br><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):<br>Deck primed with Concrecel Bonding Agent at 600 ft²/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):<br>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):<br>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 <a href="#">(Note 1)</a>                                                                                      | Lightweight Concrete <a href="#">(Note 14)</a>                                                                                                                                                                                |                   |                                                          |                           | Roof Cover <a href="#">(Note 15)</a> |                                                          | MDP <a href="#">(psf)</a> |
|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------------------------------------|---------------------------|--------------------------------------|----------------------------------------------------------|---------------------------|
|                                                                     |                                                                                                                    | 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):<br>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):<br>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):<br>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):<br>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                    |
| <b>WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (PARTIAL BOND):</b> |                                                                                                                    |                                                                                                                                                                                                                               |                   |                                                          |                           |                                      |                                                          |                           |
| 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):<br>Treatment: Celcore S-1 Deck Preparation Slurry<br>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):<br>Treatment: Celcore S-1 Deck Preparation Slurry<br>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                     |
| <b>WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (FULL BOND):</b>    |                                                                                                                    |                                                                                                                                                                                                                               |                   |                                                          |                           |                                      |                                                          |                           |
| LWC-33                                                              | Min. 22 ga., Type B, Grade 33 steel at max. 6 ft spans attached 6-inch o.c.                                        | CELCORE (FL2037):<br>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). <a href="#">Note A.</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):<br>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. <a href="#">Note A.</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):<br>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). <a href="#">Note A.</a>                                   | Celcore PVA       | WeatherBond HPW Fastener with Insulation Fastening Plate | 1 per 9.0 ft <sup>2</sup> | WeatherBond TPO Fleece               | Flexible DASH or Flexible DASH DT (FULL)                 | -67.5<br><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 <a href="#">(Note 1)</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Lightweight Concrete <a href="#">(Note 14)</a>                                                                                                                                              |                   |                                                          |                           | Roof Cover <a href="#">(Note 15)</a> |                                          | <a href="#">MDP (psf)</a> |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------------------------------------|---------------------------|--------------------------------------|------------------------------------------|---------------------------|
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 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):<br>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). <a href="#">Note A.</a> | Celcore PVA       | WeatherBond HPW Fastener with Insulation Fastening Plate | 1 per 1.0 ft <sup>2</sup> | WeatherBond TPO Fleece               | Flexible DASH or Flexible DASH DT (FULL) | -120.0<br><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):<br>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):<br>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):<br>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 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):<br>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 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):<br>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 Fleece               | Flexible DASH (FULL)                     | -112.5                    |
| 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 C513 (for existing) and shall yield a minimum 200 psi result. Field withdrawal resistance testing in accordance with <a href="#">Note 11</a> 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 <a href="#">Note 12</a> is recommended. All testing shall be performed by an accredited testing agency acceptable to the Authority Having Jurisdiction.<br>B.) Linear interpolation between supplemental attachment at 1 per 9 ft <sup>2</sup> for -67.5 psf and 1 per 1.0 ft <sup>2</sup> for -120.0 psf is permissible. Such interpolation shall be performed by a qualified design professional to the satisfaction of the Authority Having Jurisdiction. |                                                                                                                                                                                             |                   |                                                          |                           |                                      |                                          |                           |

**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 <a href="#">(Note 1)</a>      | Lightweight Concrete <a href="#">(Note 14)</a>                                                                                                                                                                          | Roof Cover <a href="#">(Note 15)</a> |                                          | MDP <a href="#">(psf)</a> |
|-----------------------------------------------------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------|---------------------------|
|                                                           |                                    |                                                                                                                                                                                                                         | Membrane                             | Application                              |                           |
| WEATHERBOND TPO MEMBRANE APPLICATIONS:                    |                                    |                                                                                                                                                                                                                         |                                      |                                          |                           |
| LWC-42                                                    | Min. 2,500 psi structural concrete | CELCORE (FL2037):<br>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):<br>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):<br>Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional). <a href="#">Note A.</a>                                                           | WeatherBond TPO                      | Aqua Base 120                            | -217.5                    |
| LWC-45                                                    | Min. 2,500 psi structural concrete | CELCORE (FL2037):<br>Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional). <a href="#">Note A.</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):<br>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):<br>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):<br>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):<br>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; <b>Note:</b> Fastener Withdrawal; OMG CR-R Assembled Base Sheet Fastener (1.7 in.) ≥ 101 lbf per <a href="#">Note 11.</a>                          | WeatherBond TPO                      | WB-TPO-BA                                | -452.5                    |
| LWC-51                                                    | Min. 2,500 psi structural concrete | Min. 320 psi, pre-existent cellular lightweight insulating concrete; <b>Note:</b> Fastener Withdrawal; OMG CR-R Assembled Base Sheet Fastener (1.7 in.) ≥ 148 lbf per <a href="#">Note 11.</a>                          | WeatherBond TPO                      | WB-TPO-BA                                | -492.5                    |
| WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (FULL BOND): |                                    |                                                                                                                                                                                                                         |                                      |                                          |                           |
| LWC-52                                                    | Min. 2,500 psi structural concrete | CELCORE (FL2037):<br>Min. 270 psi, Min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture (EPS board optional)<br>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):<br>Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional). <a href="#">Note A.</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):<br>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):<br>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; <b>Note:</b> Fastener Withdrawal; OMG CR-R Assembled Base Sheet Fastener (1.7 in.) ≥ 148 lbf per <a href="#">Note 11.</a>                          | 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 <a href="#">(Note 1)</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Lightweight Concrete <a href="#">(Note 14)</a>                                                                                                                                                                        | Roof Cover <a href="#">(Note 15)</a> |                                               | MDP <a href="#">(psf)</a> |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-----------------------------------------------|---------------------------|
|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                       | Membrane                             | Application                                   |                           |
| LWC-57                                            | Min. 2,500 psi structural concrete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Min. 350 psi, pre-existent cellular lightweight insulating concrete; <b>Note:</b> <i>Fastener Withdrawal; OMG CR-R Assembled Base Sheet Fastener (1.7 in.) <math>\geq</math> 101 lbf per <a href="#">Note 11</a>.</i> | WeatherBond TPO Fleece               | Flexible DASH DT (SPLATTER at 3.5-4.0 lbs/sq) | -345.0                    |
| <b>WEATHERBOND PAS TPO MEMBRANE APPLICATIONS:</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                       |                                      |                                               |                           |
| LWC-58                                            | Min. 3,000 psi structural concrete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ELASTIZELL (NOA 23-0817.05):<br>Min. 250 psi, Min. 2-inch thick, Elastizell Range II LWIC                                                                                                                             | WeatherBond PAS TPO                  | Self-adhered                                  | -282.5                    |
| <b>Notes:</b>                                     | A.) If the type of LWC to be used on the project is unknown, as in a re-roof (tear-off) condition, compressive strength and fastener withdrawal resistance testing shall be conducted. Compressive strength testing shall be in accordance with ASTM C495 (for new pour) or ASTM C513 (for existing) and shall yield a minimum 200 psi result. Field withdrawal resistance testing in accordance with <a href="#">Note 11</a> 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 <a href="#">Note 12</a> 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**

<sup>A</sup> 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<br>( <a href="#">Note 1</a> , <a href="#">Note 12</a> )                                                                                                                                                                    | Base Insulation Layer                                |                                                         | Top Insulation Layer(s)                                                                                                                                                                                                           |                                            | Roof Cover ( <a href="#">Note 15</a> ) |                                       | MDP<br>(psf) <sup>A</sup> |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------------|---------------------------------------|---------------------------|
|                                        |                                                                                                                                                                                                                                      | Type                                                 | Attach<br>( <a href="#">Notes 6,7,8</a> )               | Type                                                                                                                                                                                                                              | Attach<br>( <a href="#">Notes 6,7,8</a> )  | 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<br><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<br><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<br><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<br><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**

<sup>A</sup> 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<br>(Note 1, Note 12)                                                                                                                                                                         | Base Insulation Layer                                                                                                        |                                                         | Top Insulation Layer(s)                                                                                                                 |                                            | Roof Cover (Note 15)   |                                                          | MDP<br>(psf) <sup>A</sup> |
|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------------------|----------------------------------------------------------|---------------------------|
|                                                                     |                                                                                                                                                                                                        | Type                                                                                                                         | Attach<br>(Notes 6,7,8)                                 | Type                                                                                                                                    | Attach<br>(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 AC Foam 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 AC Foam II, WB XP Polyiso, WB XFP Polyiso, ENRGY 3                                                  | OB500                                                   | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><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 AC Foam II, WB XP Polyiso, WB XFP Polyiso, ENRGY 3                                                  | OB500                                                   | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><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 AC Foam II, WB XP Polyiso, WB XFP Polyiso, ENRGY 3                                                  | OB500                                                   | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><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                    |
| <b>WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (PARTIAL BOND):</b> |                                                                                                                                                                                                        |                                                                                                                              |                                                         |                                                                                                                                         |                                            |                        |                                                          |                           |
| 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                     |

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

<sup>A</sup> 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<br>(Note 1, Note 12)                                                                                                                                                                         | Base Insulation Layer                                                                                           |                                                         | Top Insulation Layer(s)                                                                                                                                                                                   |                                            | Roof Cover (Note 15)   |                                                          | MDP<br>(psf) <sup>A</sup> |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------------------|----------------------------------------------------------|---------------------------|
|            |                                                                                                                                                                                                        | Type                                                                                                            | Attach<br>(Notes 6,7,8)                                 | Type                                                                                                                                                                                                      | Attach<br>(Notes 6,7,8)                    | Type                   | Application                                              |                           |
| 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<br><u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or SECURROCK 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<br><u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or SECURROCK 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 SECURROCK 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<br><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-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<br><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                     |

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

<sup>A</sup> 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<br>(Note 1, Note 12)                                                                                                                                                                         | Base Insulation Layer                                |                                                         | Top Insulation Layer(s)                                                                                                                                                                                                           |                                            | Roof Cover (Note 15)   |                                                          | MDP<br>(psf) <sup>A</sup> |
|------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------------------|----------------------------------------------------------|---------------------------|
|                                                                  |                                                                                                                                                                                                        | Type                                                 | Attach<br>(Notes 6,7,8)                                 | Type                                                                                                                                                                                                                              | Attach<br>(Notes 6,7,8)                    | Type                   | Application                                              |                           |
| 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<br><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<br><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                     |
| <b>WEATHERBOND TPO FLEECE MEMBRANE APPLICATIONS (FULL BOND):</b> |                                                                                                                                                                                                        |                                                      |                                                         |                                                                                                                                                                                                                                   |                                            |                        |                                                          |                           |
| 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<br><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-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<br><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<br><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                    |

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

<sup>A</sup> 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<br>( <a href="#">Note 1</a> , <a href="#">Note 12</a> )                                                                                                                                      | Base Insulation Layer                                                                                                        |                                                         | Top Insulation Layer(s)                                                                                                                       |                                            | Roof Cover ( <a href="#">Note 15</a> ) |                                                          | MDP<br>(psf) <sup>A</sup> |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------------|----------------------------------------------------------|---------------------------|
|            |                                                                                                                                                                                                        | Type                                                                                                                         | Attach<br>( <a href="#">Notes 6,7,8</a> )               | Type                                                                                                                                          | Attach<br>( <a href="#">Notes 6,7,8</a> )  | Type                                   | Application                                              |                           |
| 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<br><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**

<sup>A</sup> 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<br>( <a href="#">Note 1</a> , <a href="#">Note 12</a> )                                                                                                                                      | Base Insulation Layer                                            |                                                         | Top Insulation Layer(s)                                                                                                                                  |                                            | Roof Cover<br>( <a href="#">Note 15</a> ) |                                                                   | MDP<br>(psf) <sup>A</sup> |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------|-------------------------------------------------------------------|---------------------------|
|                                                           |                                                                                                                                                                                                        | Type                                                             | Attach<br>( <a href="#">Notes 6,7,8</a> )               | Type                                                                                                                                                     | Attach<br>( <a href="#">Notes 6,7,8</a> )  | 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<br><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<br><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<br><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<br><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**

<sup>A</sup> 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<br>( <a href="#">Note 1</a> , <a href="#">Note 12</a> )                                                                                                                                      | Base Insulation Layer                                                          |                                                         | Top Insulation Layer(s)                                                                                                                 |                                            | Roof Cover<br>( <a href="#">Note 15</a> ) |                                                   | MDP<br>(psf) <sup>A</sup> |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------|---------------------------------------------------|---------------------------|
|            |                                                                                                                                                                                                        | Type                                                                           | Attach<br>( <a href="#">Notes 6,7,8</a> )               | Type                                                                                                                                    | Attach<br>( <a href="#">Notes 6,7,8</a> )  | 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<br><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<br><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<br><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<br><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<br>(Note 1)                                                                                                                                        | Insulation Layer<br>(Note 5)                                | Attachment                                                                                                   |                                   | Roof Cover (Note 15B)                                                                               | MDP<br>(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 <b>max. 60-inch o.c.</b>  | 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 <b>max. 120-inch o.c.</b> | 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 <b>max. 120-inch o.c.</b> | 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 <b>max. 60-inch o.c.</b>  | 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 <b>max. 60-inch o.c.</b>  | 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 <b>max. 120-inch o.c.</b> | 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 <b>max. 60-inch o.c.</b>  | 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 <b>max. 60-inch o.c.</b>                | 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 <b>max. 120-inch o.c.</b>               | 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 <b>max. 60-inch o.c.</b>                | 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 <b>max. 60-inch o.c.</b>                | 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 <a href="#">(Note 1)</a>                                                                                                                           | Insulation                          |                                    | Roof Cover <a href="#">(Note 15A)</a> |                                                                     |                                                                                                                                 | MDP<br>(psf) |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------------------|---------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------|
|            |                                                                                                                                                         | Type                                | Attach<br><a href="#">(Note 5)</a> | Membrane                              | Fastener <a href="#">(Note 11)</a>                                  | 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 <a href="#">(Note 1)</a>                                                                                                                         | Insulation                          |                                 | Roof Cover <a href="#">(Note 15A)</a> |                                                                     |                                                                                                                                                                                                                                                                                                                    | MDP (psf) |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------|---------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
|            |                                                                                                                                                       | Type                                | Attach <a href="#">(Note 5)</a> | Membrane                              | Fastener <a href="#">(Note 11)</a>                                  | 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<br>(Note 1)                   | Roof Cover (Note 15)                                        |                                                                                           |                  |           |                 |                  | MDP<br>(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        |
| 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        |

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

| System No. | Deck<br>( <a href="#">Note 1</a> ) | Roof Cover ( <a href="#">Note 15</a> )              |                                                                                     |                  |           |              |                  | MDP<br>(psf) |
|------------|------------------------------------|-----------------------------------------------------|-------------------------------------------------------------------------------------|------------------|-----------|--------------|------------------|--------------|
|            |                                    | Membrane                                            | Fastener ( <a href="#">Note 11</a> )                                                | Fastener Spacing | Lap Width | Lap Spacing  | Seam Weld        |              |
| 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**

| <sup>A</sup> 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).<br>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 <a href="#">(Note 1, Note 12)</a>                                                                                                                                                             | Roof Cover <a href="#">(Note 15)</a> |                                                         | <a href="#">MDP (psf)</a> <sup>A</sup> |
|                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                         | 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**

<sup>A</sup> 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) <sup>A</sup> |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------|------------------------|
|                                                           |                                                                                             |                                                                                                                                    | 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, Concrecel 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                 |