



**NEMO|etc.**

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

ENGINEER

TEST

CONSULT

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

**Versico Roofing Systems**

P.O. Box 1289  
Carlisle, PA 17013  
**(717) 245-7264**

**PEER-VRS-003.B.R26**

**FL14207-R31 (HVHZ)**

Date of Issuance: 06/27/2013

**Revision 26: 02/23/2024**

**SCOPE:**

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

**DESCRIPTION: VersiWeld TPO Roof Systems (HVHZ)**

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

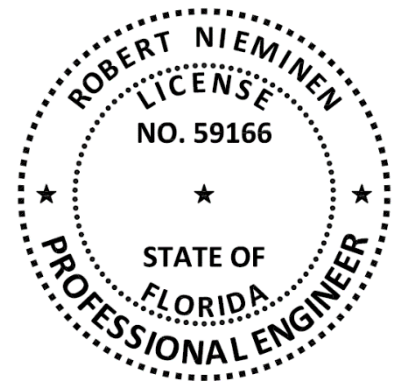
**CONTINUED COMPLIANCE:** This PEER is valid until such time as the named product(s) changes, the referenced Quality Assurance or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our PEERs by the named client constitutes agreement to notify NEMO ETC, LLC of any changes to the product(s), the Quality Assurance or the production facility location(s). NEMO ETC, LLC requires a complete review of its PEER relative to updated Code requirements with each Code Cycle.

**ADVERTISEMENT:** The Florida Product Approval Number (FL#) preceded by the words "NEMO P.E. Evaluated" may be displayed in advertising literature. If any portion of the PEER is displayed, then it shall be done in its entirety.

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

This PEER consists of pages 1 through 4, plus 97-page Appendix.

**Prepared by:**



**CERTIFICATION OF INDEPENDENCE:**

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

**ROOFING SYSTEMS EVALUATION:**
**1. SCOPE:**

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

**2. STANDARDS:**

| SECTION | PROPERTY                      | STANDARD                    |
|---------|-------------------------------|-----------------------------|
| TAS 110 | Resistance to Foot Traffic    | TAS 114, Section 8.9        |
| TAS 110 | Wind resistance               | TAS 114, Appendix C, D or J |
| TAS 110 | Susceptibility to Hail Damage | TAS 114, Appendix F         |
| TAS 110 | Susceptibility to Leakage     | TAS 114, Appendix G         |
| TAS 110 | Static puncture resistance    | ASTM D5602                  |
| TAS 110 | Dynamic puncture resistance   | ASTM D5635                  |
| TAS 110 | Material standard             | ASTM D6878                  |

**3. REFERENCES:**

| Entity             | Examination       | Reference            | Date       |
|--------------------|-------------------|----------------------|------------|
| NEMO               | Evaluation Report | PEER-CRL-003.B.R26   | 02/23/2024 |
| 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 **VersiWeld TPO Roof Systems** installed in accordance with **Verisco Roofing Systems** 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 | VersiWeld  | 45, 60-mil     | ASTM D6878        | N/A  | N/A   | MS, PA, UT |
|                       | VersiWeld Plus                                   | 72, 80-mil     | ASTM D6878        | N/A  | N/A   | MS, PA, UT |
|                       | VersiWeld HS                                     | 60, 80-mil     | ASTM D6878        | N/A  | N/A   | MS         |
|                       | VersiFleece FR TPO                               | 60-mil         | ASTM D6878        | N/A  | N/A   | UT         |
|                       | VersiFleece TPO 100, 115 or 135                  | 45, 60, 80-mil | ASTM D6878        | N/A  | N/A   | MS         |
|                       | VersiFleece TPO 115                              | 60-mil         | ASTM D6878        | N/A  | N/A   | UT         |
|                       | VersiFleece AC TPO 120, AC TPO 135 or AC TPO 155 | 45, 60, 80-mil | ASTM D6878        | N/A  | N/A   | MS         |
|                       | VersiWeld QA TPO                                 | 60, 80-mil     | ASTM D6878        | N/A  | N/A   | UT         |
|                       | VersiFleece RL™ with RapidLock Technology        | 60-mil         | ASTM D6878        | N/A  | N/A   | MS         |

## 5. LIMITATIONS:

- 5.1 This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this PEER, or previous versions thereof, is/was used for permitting or design guidance. PEERs are not to be construed as representing any attributes not specifically listed, nor are PEERs to be construed as an endorsement of the subject, or a recommendation for its use. There is no warranty by NEMO ETC, LLC or Robert Nieminen, P.E., express or implied, as to any finding or other matter in this PEER, or as to any product covered by the PEER.
- 5.2 This PEER is exclusively for use in High Velocity Hurricane Zone jurisdictions, as defined in FBC Chapter 2 (Broward and Miami-Dade Counties).
- 5.3 The evaluation herein pertains to above-deck roof components; deck-attachment details pertain to ‘as-tested’ conditions under [Testing Application Standard TAS 114, Appendix J](#). Roof decks shall be in accordance with **FBC HVHZ** requirements to the satisfaction of the Authority Having Jurisdiction.
- 5.4 This PEER does not include evaluation of fire classification. Refer to **FBC HVHZ 1516** for requirements and limitations regarding roof assembly fire classification. Refer to **FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.
- 5.5 This PEER does not include evaluation of roof edge termination. Refer to [Roofing Application Standard RAS 111](#) for requirements and limitations regarding edge securement for low-slope roofs.
- 5.6 Refer to **FBC HVHZ 1521** for requirements and limitations regarding recover installations.
- 5.6.1 For mechanically attached components over existing roof decks, fasteners shall be tested in the existing deck for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with [Testing Application Standard TAS 105](#).
- 5.6.2 For bonded insulation or membrane over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with [Testing Application Standard TAS 124](#) shall be conducted on mock-ups of the proposed new roof assembly.
- 5.6.3 For bonded insulation or membrane over existing substrates in a recover installation, the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with [Testing Application Standard TAS 124](#).
- 5.7 Refer to Appendix 1 for system attachment requirements for wind load resistance.
- 5.7.1 “MDP” = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety per [Testing Application Standard TAS 114](#) has already been applied). Refer to **FBC HVHZ 1620** and [Roofing Application Standard RAS 128](#) for determination of design wind loads.
- 5.7.2 For mechanically attached components, the maximum design pressure for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with **FBC HVHZ 1620** or [Roofing Application Standard RAS 128](#). Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Analysis shall be in accordance with [Roofing Application Standard RAS 117](#) or **RAS 137**. *\*This extrapolation is not permitted for systems marked with an asterisk\*.*
- 5.7.3 For tables and/or assemblies marked with an asterisk\*, the maximum design pressure (MDP) limitation shall be applicable to all roof pressure zones. Rational analysis is not permitted.
- 5.8 All components in the roof assembly shall have quality assurance audit in accordance with **F.A.C. Rule 61G20-3**. Refer to the Product Approval of the component manufacturer for components listed in Appendix 1 that are produced by a Product Manufacturer other than the report holder on [Page 1](#) of this PEER.

**6. INSTALLATION:**

**VersiWeld TPO Roof Systems** shall be installed in accordance with **Verisco Roofing Systems** published installation instructions, subject to the [Limitations of Use](#) noted herein.

**7. BUILDING PERMIT REQUIREMENTS:**

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

**8. MANUFACTURING PLANTS:**

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

**9. QUALITY ASSURANCE ENTITY:**

[UL LLC – QUA9625](#); (360) 817-5512; [bsai.inspections@ul.com](mailto:bsai.inspections@ul.com)

**- THE 97-PAGES THAT FOLLOW FORM PART OF THIS PEER -**

FBC HVHZ

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

| TABLE                 | DECK   | APPLICATION                     | TYPE | DESCRIPTION   | PAGE |
|-----------------------|--|---------------------------------|------|---|------|
| <a href="#">1A</a>    | Wood   | New, Reroof (Tear-Off), Recover | B-1  | Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover                   | 6    |
| <a href="#">1B</a>    | Wood   | New, Reroof (Tear-Off), Recover | B-1  | Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Base Ply, Bonded Roof Cover  | 7    |
| <a href="#">1C</a>    | Wood   | New, Reroof (Tear-Off), Recover | C-1  | Mechanically Attached Insulation, Bonded Roof Cover   | 7    |
| <a href="#">1D</a>    | Wood   | New, Reroof (Tear-Off), Recover | C-2  | Mechanically Attached Insulation, Plate-Bonded Roof Cover   | 9    |
| <a href="#">1E</a>    | Wood   | New, Reroof (Tear-Off), Recover | D-1  | Insulated, Mechanically Attached Roof Cover   | 10   |
| <a href="#">1F</a>    | Wood   | New, Reroof (Tear-Off), Recover | D-2  | Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover                                | 10   |
| <a href="#">1G</a>    | Wood   | New, Reroof (Tear-Off), Recover | E-1  | Non-Insulated, Mechanically Attached Roof Cover   | 11   |
| <a href="#">1H</a>    | Wood   | New, Reroof (Tear-Off), Recover | E-2  | Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover                                | 11   |
| <a href="#">2A</a>    | Steel  | New or Reroof (Tear-Off)        | A-1  | Bonded Insulation, Bonded Roof Cover  | 12   |
| <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                   | 14   |
| <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  | 22   |
| <a href="#">2D</a>    | Steel  | New, Reroof (Tear-Off), Recover | B-2  | Mechanically Attached Thermal Barrier, Bonded Vapor Barrier, Bonded Insulation, Bonded Roof Cover | 24   |
| <a href="#">2E</a>    | Steel or structural concrete   | New, Reroof (Tear-Off), Recover | C-1  | Mechanically Attached Insulation, Bonded Roof Cover   | 27   |
| <a href="#">2F</a>    | Steel or structural concrete   | New, Reroof (Tear-Off), Recover | C-1  | Mechanically Attached Insulation, Bonded Base Ply, Bonded Roof Cover                              | 38   |
| <a href="#">2G</a>    | Steel  | New, Reroof (Tear-Off), Recover | C-2  | Mechanically Attached Insulation, Plate-Bonded Roof Cover   | 39   |
| <a href="#">2H</a>    | Steel or structural concrete   | New, Reroof (Tear-Off), Recover | D-1  | Insulated, Mechanically Attached Roof Cover (Stress Plate)  | 42   |
| <a href="#">2I</a>    | Steel or structural concrete   | New, Reroof (Tear-Off), Recover | D-1  | Insulated, Mechanically Attached Roof Cover (RUSS Strips)   | 47   |
| <a href="#">2J</a>    | Steel  | New, Reroof (Tear-Off), Recover | D-3  | Insulated, Mechanically Attached and Induction Welded Roof Cover                                  | 47   |
| <a href="#">3A</a>    | Structural concrete  | New, Reroof (Tear-Off)          | A-1  | Bonded Insulation, Bonded Roof Cover  | 49   |
| <a href="#">3B</a>    | Structural concrete  | New, Reroof (Tear-Off)          | A-1  | Bonded Insulation, Bonded Base Ply, Bonded Roof Cover   | 65   |
| <a href="#">3C</a>    | Structural concrete  | New, Reroof (Tear-Off), Recover | C-2  | Mechanically Attached Insulation, Plate-Bonded Roof Cover   | 66   |
| <a href="#">3D</a>    | Structural concrete  | New, Reroof (Tear-Off)          | F    | Non-Insulated, Bonded Roof Cover  | 68   |
| <a href="#">4A</a>    | Deck with Lightweight concrete   | New, Reroof (Tear-Off)          | A-1  | Bonded Insulation, Bonded Roof Cover  | 69   |
| <a href="#">4B</a>    | Deck with Lightweight concrete   | New, Reroof (Tear-Off)          | A-2  | Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover                          | 71   |
| <a href="#">4C</a>    | Deck with Lightweight concrete   | New, Reroof (Tear-Off)          | F    | Non-Insulated, Bonded Roof Cover  | 72   |
| <a href="#">4D</a>    | Deck with Lightweight concrete   | New, Reroof (Tear-Off)          | F    | Non-Insulated, Bonded Roof Cover  | 75   |
| <a href="#">5A</a>    | Cementitious wood fiber  | New, Reroof (Tear-Off)          | A-1  | Bonded Insulation, Bonded Roof Cover  | 77   |
| <a href="#">5B</a>    | Cementitious wood fiber  | New, Recover                    | F    | Non-Insulated, Bonded Roof Cover  | 79   |
| <a href="#">6A</a>    | Existing gypsum  | Reroof (Tear-Off)               | A-1  | Bonded Insulation, Bonded Roof Cover  | 80   |
| <a href="#">6B</a>    | Existing gypsum  | Reroof (Tear-Off), Recover      | B-1  | Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover                   | 81   |
| <a href="#">6C</a>    | Existing gypsum  | Reroof (Tear-Off), Recover      | C-1  | Mechanically Attached Insulation, Bonded Roof Cover   | 83   |
| <a href="#">6D</a>    | Existing gypsum  | Reroof (Tear-Off)               | F    | Non-Insulated, Bonded Roof Cover  | 83   |
| <a href="#">7A</a>    | Various  | Recover                         | A-1  | Bonded Insulation, Bonded Roof Cover  | 84   |
| <a href="#">7B</a>    | Various  | Recover                         | A-1  | Bonded Insulation, Bonded Base Ply, Bonded Roof Cover   | 89   |
| <a href="#">7C</a>    | Steel  | Recover                         | C-2  | Mechanically Attached Insulation, Plate-Bonded Roof Cover   | 92   |
| <a href="#">7D</a>    | Steel  | Recover                         | D-1  | Insulated, Mechanically Attached Roof Cover   | 92   |
| <a href="#">7E</a>    | Steel  | Recover                         | D-1  | Insulated, Mechanically Attached Roof Cover (RUSS Strips)   | 93   |
| <a href="#">7F</a>    | Various  | Recover                         | E-1  | Non-Insulated, Mechanically Attached Roof Cover   | 94   |
| <a href="#">7G</a>    | Various  | Recover                         | F-1  | Non-Insulated, Bonded Roof Cover  | 95   |
| <a href="#">7H</a>    | Various  | Recover                         | F-2  | New LWC over Existing Roof, Bonded Roof Cover   | 96   |
| <a href="#">8A/8B</a> | Guidance / Limitations for use of Hilti fasteners in Type B steel deck securement beneath Verisco roof systems |                                 |      |   | 97   |

The following notes apply to the systems outlined herein:

- The roof system evaluation herein pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC HVHZ requirements to the satisfaction of the Authority Having Jurisdiction. Deck-attachment details pertain to 'as-tested' conditions under [Testing Application Standard](#) TAS 114, Appendix J.
  - 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 span 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.
  - Tables 8A and 8B provide guidance / limitations associated with use of fasteners from Hilti, Inc. to secure steel decking to structural members
- 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                   | Verisco | HPV Fastener with HPV Insulation Fastening Plate   | Minimum ¼-inch plywood penetration or minimum 1-inch wood plank embedment  |
| Steel                  | Verisco | HPV Fastener with HPV Insulation Fastening Plate   | Minimum ¼-inch steel penetration and engage the top flute of the steel deck  |
| Structural Concrete    | Verisco | MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with HPV Insulation Fastening Plate | Minimum 1.25-inch embedment. Fastener installed with a pilot hole in accordance with the fastener manufacturer's published installation instructions |

- Unless otherwise noted, insulation may be any one layer or combination of FBC Approved (Local or Statewide) board(s) that meet FBC HVHZ 1516 and, for foam plastic, FBC Chapter 26, when installed with the roof cover.
- Minimum 200 psi, minimum 2-inch thick FBC HVHZ Approved lightweight insulating concrete may be substituted for, or installed below, rigid insulation board for System Types B-1, C-1, C-2, D-1 or D-2, whereby fasteners are installed through the lightweight insulating concrete to engage the structural deck. The structural deck shall be of equal or greater type, thickness and strength to the steel and structural concrete deck listings. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction. This is a wind uplift resistance allowance and does not purport to address non-wind-uplift-related issues, such as deck venting or moisture levels within the LWIC and the potential effect on overlying components. If mechanical attachment to the structural deck through lightweight insulating concrete is proposed, field withdrawal resistance testing shall be performed to confirm equivalent or determine enhanced fastening patterns and density. All testing and fastening design shall be in compliance with [Testing Application Standard](#) TAS 105 and [Roofing Application Standard](#) RAS 117 and/or RAS 137. Calculations shall be prepared, signed and sealed by a qualified design professional.
- Preliminary insulation attachment: Unless otherwise noted, use FBC HVHZ Approved roofing fasteners and plates; minimum four per 4 x 8 ft board or minimum two per 4 x 4 ft board. For systems where a vapor barrier is installed, refer to Table 6 of [FM Loss Prevention Data Sheet 1-29](#). For systems where no vapor barrier is installed, Versico Insultite may be used in place of HPV Fastener for preliminary attachment purposes over wood and steel deck.
- Unless otherwise noted, insulation adhesive application rates are as follows.
  - Ribbon or bead width is at the time of application; the ribbons/beads shall expand as noted in the manufacturer's published instructions.
  - When multiple layers(s) of insulation and/or coverboard are installed in ribbon-applied adhesive, board joints shall be staggered.
  - The maximum edge distance from the adhesive ribbon to the edge of the insulation board shall be not less than one-half the specified ribbons spacing.
  - "FULL" or "SPLATTER" applications may be used wherever "RIBBON" is referenced for insulation securement.

| INSULATION ADHESIVE REFERENCES |                  |                             |   |
|--------------------------------|------------------|-----------------------------|---|
| ADHESIVE                       | METHOD           | REFERENCE                   | MINIMUM RATE  |
| Flexible DASH                  | full-coverage    | Flexible DASH (FULL)        | Continuous ribbons, 4-inch o.c. or spray-applied at 1 gal./square |
| Flexible DASH                  | splatter-applied | Flexible DASH (SPLATTER)    | Splatter-applied at 0.5 gal/square (wet) = 4.7 lb/square (dry)    |
| Flexible DASH                  | ribbon-applied   | Flexible DASH (RIBBON)      | Continuous ribbons, 12-inch o.c.                                  |
| Flexible DASH Dual-Tank        | full-coverage    | Flexible DASH DT (FULL)     | Continuous ribbons, 4-inch o.c. or spray-applied at 1 gal./square |
| Flexible DASH Dual-Tank        | splatter-applied | Flexible DASH DT (SPLATTER) | Splatter-applied at 0.4 gal/square (wet) = 3.7 lb/square (dry)    |

| INSULATION ADHESIVE REFERENCES |                |                           |  |
|--------------------------------|----------------|---------------------------|--|
| ADHESIVE                       | METHOD         | REFERENCE                 | MINIMUM RATE   |
| Flexible DASH Dual-Tank        | ribbon-applied | Flexible DASH DT (RIBBON) | Continuous ribbons, 12-inch o.c.   |
| Verisco OlyBond 500 BA         | ribbon-applied | OB500                     | Continuous 0.75-inch wide ribbons, 12-inch o.c. (PaceCart, SpotShot or Canister) |

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

| MDP LIMITATIONS FOR TAPERED POLYISOCYANURATE INSULATIONS |  |            |                             |           |
|--|--|------------|-----------------------------|-----------|
| ADHESIVE   | INSULATION                                       |            | MIN. TAPERED THICKNESS (IN) | MDP (psf) |
|  | LISTED PRODUCT                                   | FBC OR NOA |                             |           |
| 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 Bonded polyisocyanurate insulation boards shall be maximum 4 x 4 ft.
- 9 For mechanically attached components, the maximum design pressure for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with FBC HVHZ 1620 or [Roofing Application Standard](#) RAS 128. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria in accordance with [Roofing Application Standard](#) RAS 117 or RAS 137. \*This extrapolation is not permitted for systems marked with an asterisk\*
- 10 For assemblies marked with an asterisk\*, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with FBC Chapter 16. No rational analysis is permitted for these systems.
- 11 For mechanically attached components over existing decks, fasteners shall be tested in the existing deck for withdrawal resistance in accordance with [Testing Application Standard](#) TAS 105. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Should the fastener resistance be less than that required, a revised fastener spacing – prepared, signed and sealed by a qualified design professional in accordance with [Roofing Application Standard](#) RAS 117 or RAS 137 – may be submitted to the Building Official for review and acceptance.
- 12 Refer to FBC HVHZ 1521 for requirements and limitations regarding recover installations. For bonded insulation or membrane over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing shall be conducted on mock-ups of the proposed new roof assembly. For bonded insulation or membrane over existing substrates in a recover installation, the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with [Testing Application Standard](#) TAS 124.
- 13 For Structural Concrete Deck or Recover Applications using System Type C-1 the base insulation layer is optional and for System Type C-2, D-1 or D-2, the insulation is optional. Alternatively, an FBC HVHZ Approved insulation board or coverboard may be used as a separation layer. Board products shall be preliminarily attached prior to roof cover installation ([Note 5](#)). The separator component shall be documented as meeting FBC HVHZ 1516 and, for foam plastic, FBC Chapter 26, when installed with the roof cover in Recover applications.
- 14 Lightweight insulating concrete (LWIC) shall be cast in accordance with FBC Section 1917 to the satisfaction of the Authority Having Jurisdiction. For systems where specific LWIC is referenced, refer to current LWIC FBC HVHZ Product Approval for specific deck construction and limitations. Unless otherwise noted, for systems where specific LWIC is not referenced, the minimum design mix shall be 300 psi. In all cases, the minimum top-coat thickness is 2-inches. For LWIC over structural concrete, reference is made to FBC Section 1917.4.1, Point 1. For “pre-existent” LWIC references, listings were established through testing over lightweight concrete cast using only foaming agent (ASTM C896), water and Portland cement (ASTM C150), with no proprietary additives, in accordance with procedures adopted by Miami-Dade BCCO (FBC CER1592). Use of these listings in new construction or re-roof (tear-off) applications is at the discretion of the Designer or Record and Authority Having Jurisdiction.

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

| MEMBRANE / ADHESIVE COMBINATIONS |  |  |   |
|----------------------------------|--|--|---|
| MEMBRANE                         | ADHESIVE                                       | APPLICATION  | RATE  |
| VersiWeld or VersiWeld HS        | Aqua Base 120 Bonding Adhesive (Aqua Base 120) | Contact (both sides)   | 0.42 gal/square per surface [0.84 gal/square (120 ft <sup>2</sup> /gal) finish]   |
| VersiWeld                        | Cav-Grip 3V Adhesive/Primer (Cav-Grip 3V A/P)  | Contact (both sides)   | 0.225 gal/square per surface [0.45 gal/square (222 ft <sup>2</sup> /gal) finish]  |
| VersiWeld or VersiWeld HS        | Low VOC Bonding Adhesive (LVOC BA)             | Contact (both sides)   | 0.83 gal/square per surface [(1.66 gal/square (60 ft <sup>2</sup> /gal) finish]   |
| VersiWeld or VersiWeld HS        | G200SA Yellow Substrate Adhesive               | Contact (both sides)   | 0.83 gal/square per surface [1.66 gal/square (60 ft <sup>2</sup> /gal) finish]  |
| VersiWeld or VersiWeld HS        | VersiWeld Bonding Adhesive                     | Contact (both sides)   | 0.83 gal/square per surface [(1.66 gal/square (60 ft <sup>2</sup> /gal) finish]   |
| VersiFleece TPO                  | Aqua Base 120 Bonding Adhesive                 | Wet lay (substrate)  | 0.83 gal/square (120 ft <sup>2</sup> /gal)  |
| VersiFleece TPO                  | HydroBond Water-Based Adhesive (HydroBond WB)  | Wet lay (substrate)  | 0.75 to 1 gal/square (100 to 133 ft <sup>2</sup> /gal)  |
| VersiFleece TPO                  | 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) |
| VersiFleece TPO                  | 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)   |
| VersiFleece AC TPO               | Verisco Cold Applied Adhesive (V-CAA)          | Wet lay (substrate)  | 1.5 gal/square  |
| VersiFleece AC TPO               | Hot asphalt                                    | Wet lay (substrate)  | 25 lbs/square   |
| VersiFleece RL™                  | VELCRO® Brand Securible Solutions              | Only for use over VersiCore RL or SecurShield HD RL substrates. Roof cover is broomed into place and rolled with 150 lb roller to establish contact. |   |

15A For single-ply membranes in System Type D-1 steel deck applications, the roof membrane shall be run with its length perpendicular to the steel deck flutes.

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

15C For System Types A-1, A-2, B-1, B-2 or C-1 involving VersiWeld adhered in Cav-Grip 3V Adhesive/Primer over SecurShield, SecurShield HD, SecurShield HD Plus, G-P Gypsum “DensDeck Prime” or USG “SECUROCK Gypsum-Fiber Roof Board”, the top insulation layer may be optionally primed with Detec Systems “TruGround Conductive Primer”, roller-applied at 0.4 gal/square prior to membrane installation.

15D For System Types C-2, D-1 or D-2, the top insulation layer may be optionally primed with Detec Systems “TruGround Conductive Primer”, roller-applied at 0.4 gal/square prior to membrane installation. For System Type C-2, do not contaminate the induction weld stress plate with primer.

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

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

| STRUCTURAL CONCRETE DECK: VAPOR BARRIER FOLLOWED BY ADHESIVE-APPLIED INSULATION |   |               |               |   |            |
|---|---|---------------|---------------|---|------------|
| OPTION #  | PRIMER  | VAPOR BARRIER |               | INSULATION ADHESIVE PER TABLE 3A OR 3B (NOTES 6, 7 & 8)   | MDP (PSE)* |
|   |   | TYPE          | APPLICATION   |   |            |
| C-VB-1.   | 702 Primer, 702 LV Primer, CAV-GRIP Primer or Cav-Grip 3V A/P | Verisco 725TR | Self-adhering | Flexible DASH (RIBBON)  | -157.5     |
| C-VB-2.   | 702 Primer, 702 LV Primer, CAV-GRIP Primer or Cav-Grip 3V A/P | Verisco 725TR | Self-adhering | Flexible DASH DT (RIBBON)   | -172.5     |
| C-VB-3.   | 702 Primer, 702 LV Primer, CAV-GRIP Primer or Cav-Grip 3V A/P | Verisco 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 3V A/P                            | Verisco 725TR | Self-adhering | Flexible DASH (FULL COVERAGE, 1 gal/square), Flexible DASH (SPLATTER) or Flexible DASH DT (SPLATTER)  | -427.5     |



| STRUCTURAL CONCRETE DECK: VAPOR BARRIER FOLLOWED BY ADHESIVE-APPLIED INSULATION |          |   |   |   |            |
|---|----------|---|---|---|------------|
| OPTION #  | PRIMER   | VAPOR BARRIER   |   | INSULATION ADHESIVE PER TABLE 3A OR 3B (NOTES 6, 7 & 8)   | MDP (PSF)* |
|   |          | TYPE  | APPLICATION   |   |            |
| C-VB-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 | Versico 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 | Versico Cold Applied Adhesive, 1-inch ribbons, 6-inch o.c.  | Flexible DASH (RIBBON, 6-inch o.c. or SPLATTER) or Flexible DASH DT (RIBBON, 6-inch o.c. or SPLATTER) | -255.0     |
| C-VB-9.   | ASTM D41 | SureMB 90TG or 120TG Base                                   | Torch-applied   | Flexible DASH (RIBBON) or Flexible DASH DT (RIBBON)   | -307.5     |
| C-VB-10.  | ASTM D41 | SureMB 90TG or 120TG Base                                   | Torch-applied   | Flexible DASH (RIBBON, 6-inch o.c. or SPLATTER) or Flexible DASH DT (RIBBON, 6-inch o.c. or SPLATTER) | -495.0     |

16B Tectum Decks: The lesser of the MDP listings below vs. that for the selected assembly applies.

| TECTUM PLANK DECK: VAPOR BARRIER FOLLOWED BY ADHESIVE-APPLIED INSULATION |  |  |               |  |           |
|--|--|--|---------------|--|-----------|
| OPTION #   | PRIMER   | VAPOR BARRIER                          |               | INSULATION ADHESIVE PER TABLE 5A (NOTES 6, 7 & 8)                              | MDP (PSF) |
|  |  | TYPE                                   | APPLICATION   |  |           |
| CWF-VB-1.  | Cav-Grip 3V Adhesive/Primer at 0.33 gal/square | SureMB 70 SA Base Ply or Verisco 725TR | Self-adhering | Flexible DASH (FULL or SPLATTER) or Flexible DASH Dual-Tank (FULL or SPLATTER) | -350.0    |

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

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

| ACCEPTABLE ALTERNATES |                             |                          |   |                |
|-----------------------|-----------------------------|--------------------------|---|----------------|
| SUB-CATEGORY          | BY                          | LISTED PRODUCT HEREIN    | ALTERNATE   | FBC OR NOA     |
| MEMBRANE              | Verisco                     | VersiWeld                | VersiWeld Plus and VersiWeld HS                         | FL16443        |
|                       |                             | VersiFleece TPO          | Includes 100, 115 and 135                               |                |
|                       |                             | VersiFleece AC TPO       | Includes AC TPO 120, AC TPO 135 and AC TPO 155          |                |
| ADHESIVES             | Verisco                     | OB500                    | OMG OlyBond 500 Adhesive Fastener                       | NOA 22-0519.04 |
| ROOFING INSULATION    | Verisco                     | VersiCore                | VersiCore NH, H-Shield, H-Shield NH                     | NOA 19-0521.04 |
|                       |                             | SecurShield              | SecurShield NH, H-Shield CG, H-Shield CG NH             |                |
|                       |                             | SecurShield HD           | SecurShield HD NH, H-Shield HD, H-Shield HD NH          |                |
|                       |                             | SecurShield HD Plus      | SecurShield HD Plus NH, H-Shield HD90, H-Shield HD90 NH |                |
|                       |                             | SecurShield HD Composite | H-Shield HD Composite                                   |                |
|                       | DuraFaceR                   | H-Shield NB              |   |                |
|                       | Georgia-Pacific Gypsum, LLC | DensDeck Prime           | DensDeck StormX Prime Roof Board                        | NOA 22-1223.04 |

19 "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads. Refer to FBC (HVHZ) 1620 and [Roofing Application Standard](#) RAS 128 for determination of design wind loads. [\(Notes 9 and 10\)](#)

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

| System No.   | Deck (Note 1)  | Base Insulation Layer                                       |   |                           | Top Insulation Layer(s)   |  | Roof Cover (Note 15)   | MDP (psf) |
|--|--|---|---|---------------------------|---|--|--|-----------|
|  |  | Type  | Fastener (Note 2, Note 11)                            | Attach                    | Type  | Attach (Notes 6,7,8)                       |  |           |
| <b>VERSIWELD OR VERSIWELD HS MEMBRANE APPLICATIONS:</b>      |  |   |   |                           |   |  |  |           |
| W-1.   | Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c. | Min. 2-inch VersiCore, H-Shield, SecurShield or H-Shield CG | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.0 ft <sup>2</sup> | Additional layer(s), min. 1.5-inch base insulation  | Flexible DASH or Flexible DASH DT (RIBBON) | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                       | -60.0     |
| W-2.   | Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c. | Min. 2-inch VersiCore, H-Shield, SecurShield or H-Shield CG | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.0 ft <sup>2</sup> | <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 SecurShield HD, SecurShield HD Plus or DuraStorm VSH, min. 1.5-inch SecurShield HD Composite or min. 2-inch DuraFaceR | Flexible DASH or Flexible DASH DT (RIBBON) | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                       | -60.0     |
| <b>VERSIFLEECE TPO MEMBRANE APPLICATIONS (PARTIAL BOND):</b> |  |   |   |                           |   |  |  |           |
| W-3.   | Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c. | Min. 2-inch VersiCore, H-Shield, SecurShield or H-Shield CG | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.0 ft <sup>2</sup> | <u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD or SecurShield HD Plus  | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)  | -60.0     |
| <b>VERSIFLEECE TPO MEMBRANE APPLICATIONS (FULL BOND):</b>    |  |   |   |                           |   |  |  |           |
| W-4.   | Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c. | Min. 2-inch VersiCore, H-Shield, SecurShield or H-Shield CG | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.0 ft <sup>2</sup> | Additional layer(s), min. 1.5-inch base insulation  | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -60.0     |
| W-5.   | Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c. | Min. 2-inch VersiCore, H-Shield, SecurShield or H-Shield CG | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.0 ft <sup>2</sup> | <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 SecurShield HD, SecurShield HD Plus or DuraStorm VSH, min. 1.5-inch SecurShield HD Composite or min. 2-inch DuraFaceR | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -60.0     |
| <b>VERSIFLEECE RL™ APPLICATIONS:</b>                         |  |   |   |                           |   |  |  |           |
| W-6.   | Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c. | Min. 2-inch VersiCore, H-Shield, SecurShield or H-Shield CG | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.0 ft <sup>2</sup> | <u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD RL or min. 1.5-inch VersiCore RL  | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece RL™  | -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 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, Note 11)</a>         | Attach                    | Type   | Attach<br><a href="#">(Notes 6,7,8)</a>                          | Base Ply                             | Cap Ply   |       |                              |
| <b>VERSIFLEECE TPO MEMBRANE APPLICATIONS (PARTIAL BOND):</b> |  |   |   |                           |  |  |                                      |   |       |                              |
| W-7.   | Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c. | Min. 2-inch VersiCore, H-Shield, SecurShield or H-Shield CG | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.0 ft <sup>2</sup> | <u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch 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 | VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | -60.0 |                              |
| <b>VERSIFLEECE AC TPO MEMBRANE APPLICATIONS:</b>             |  |   |   |                           |  |  |                                      |   |       |                              |
| W-8.   | Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c. | Min. 2-inch VersiCore, H-Shield, SecurShield or H-Shield CG | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.0 ft <sup>2</sup> | <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 | hot asphalt, Flexible DASH (RIBBON) or Flexible DASH DT (RIBBON) | SureMB 90TG or 120TG / torch-applied | VersiFleece AC TPO / V-CAA or hot asphalt                                 | -60.0 |                              |

**TABLE 1C: 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>                    | MDP<br><a href="#">(psf)</a> |
|---|--|--|--|---|---------------------------|--|------------------------------|
|   |  |  | Type   | Fastener <a href="#">(Note 2, Note 11)</a>            | Attach                    |  |                              |
| <b>VERSIWELD OR VERSIWELD HS MEMBRANE APPLICATIONS:</b> |  |  |  |   |                           |  |                              |
| W-9.  | Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c. | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Versico Insultite with HPV Insulation Fastening Plate | 1 per 4.0 ft <sup>2</sup> | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA       | -45.0*                       |
| W-10.   | Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c. | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.7 ft <sup>2</sup> | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA       | -45.0                        |
| W-11.   | Min. 23/32-inch plywood; 2-ft span; 8d ring shank nails, 6-inch o.c.                   | (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> | VersiWeld / Cav-Grip 3V A/P or LVOC BA                     | -45.0*                       |
| W-12.   | Min. 19/32-inch plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c.     | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch ACfoam II, VersiCore, SecurShield or ENRGY 3       | Note 2  | 1 per 2.0 ft <sup>2</sup> | VersiWeld / Aqua Base 120, Cav-Grip 3V A/P or VersiWeld BA | -45.0*                       |

**TABLE 1c: 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>                                    | MDP<br><a href="#">(psf)</a> |
|--|--|--|--|---|---------------------------|--|------------------------------|
|  |  |  | Type   | Fastener <a href="#">(Note 2, Note 11)</a>            | Attach                    |  |                              |
| W-13.  | Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c. | (Optional) One or more layers, any combination, loose laid | Min. 2-inch VersiCore, H-Shield, SecurShield, H-Shield CG, SecurShield HD Composite or H-Shield HD Composite | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.0 ft <sup>2</sup> | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                       | -60.0                        |
| W-14.  | Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c. | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime   | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.0 ft <sup>2</sup> | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                       | -60.0                        |
| W-15.  | Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c. | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime   | Versico Insultite with HPV Insulation Fastening Plate | 1 per 1.8 ft <sup>2</sup> | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                       | -67.5                        |
| W-16.  | Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c. | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board   | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.0 ft <sup>2</sup> | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                       | -75.0                        |
| <b>VERSIWELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):</b> |  |  |  |   |                           |  |                              |
| W-17.  | Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c. | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board   | Versico Insultite with HPV Insulation Fastening Plate | 1 per 4.0 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0*                       |
| W-18.  | Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c. | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board   | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.7 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0                        |
| W-19.  | Min. 23/32-inch plywood; 2-ft span; 8d ring shank nails, 6-inch o.c.                   | (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> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0*                       |
| W-20.  | Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c. | (Optional) One or more layers, any combination, loose laid | Min. 2-inch VersiCore, H-Shield, SecurShield, H-Shield CG, SecurShield HD Composite or H-Shield HD Composite | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.0 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -60.0                        |
| W-21.  | Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c. | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime   | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.0 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -60.0                        |
| W-22.  | Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c. | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime   | Versico Insultite with HPV Insulation Fastening Plate | 1 per 1.8 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -67.5                        |

**TABLE 1c: 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>                                    | MDP<br><a href="#">(psf)</a> |
|------------|--|--|--|---|---------------------------|--|------------------------------|
|            |  |  | Type   | Fastener <a href="#">(Note 2, Note 11)</a>          | Attach                    |  |                              |
| W-23.      | Min. 19/32-inch CDX plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c. | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Versi Insultite with HPV Insulation Fastening Plate | 1 per 2.0 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -75.0                        |

**TABLE 1d: 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>   | MDP<br><a href="#">(psf)</a> |
|--|--|--|---|--|---|------------------------------|
|  |  |  | Fastener <a href="#">(Note 11)</a>  | Density  |   |                              |
| <b>RHINOBOND SYSTEMS:</b>                |  |  |   |  |   |                              |
| W-24.                                    | Min. 19/32-inch plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c. | (Optional) One or more layers, any combination, loose laid | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO) | 1 per 6 ft <sup>2</sup><br>(2 x 3 ft grid pattern)       | VersiWeld or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions. | -45.0*                       |
| W-25.                                    | Min. 15/32-inch plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c. | (Optional) One or more layers, any combination, loose laid | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO) | 1 per 2.7 ft <sup>2</sup><br>(12 parts per 4x8 ft board) | VersiWeld or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions. | -45.0                        |
| W-26.                                    | Min. 15/32-inch plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c. | (Optional) One or more layers, any combination, loose laid | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO) | 6-inch o.c. in rows 60-inch o.c.                         | VersiWeld or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions. | -60.0                        |
| W-27.                                    | Min. 19/32-inch plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c. | (Optional) One or more layers, any combination, loose laid | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO) | 1 per 2.7 ft <sup>2</sup><br>(12 parts per 4x8 ft board) | VersiWeld or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions. | -67.5                        |
| <b>ISOWELD INDUCTION WELDING SYSTEM:</b> |  |  |   |  |   |                              |
| W-28.                                    | Min. 19/32-inch plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c. | (Optional) One or more layers, any combination, loose laid | Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate                          | 1 per 6 ft <sup>2</sup><br>(2 x 3 ft grid pattern)       | VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.        | -45.0*                       |
| W-29.                                    | Min. 15/32-inch plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c. | (Optional) One or more layers, any combination, loose laid | Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate                          | 1 per 2.7 ft <sup>2</sup><br>(12 parts per 4x8 ft board) | VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.        | -45.0                        |
| W-30.                                    | Min. 15/32-inch plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c. | (Optional) One or more layers, any combination, loose laid | Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate                          | 6-inch o.c. in rows 60-inch o.c.                         | VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.        | -60.0                        |
| W-31.                                    | Min. 19/32-inch plywood or wood plank; 2-ft span; 8d ring shank nails, 6-inch o.c. | (Optional) One or more layers, any combination, loose laid | Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate                          | 1 per 2.7 ft <sup>2</sup><br>(12 parts per 4x8 ft board) | VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.        | -67.5                        |

**TABLE 1E: 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-32.      | Min. 19/32-inch CDX plywood or wood plank; 2 ft span, 8d ring shank nails, 6" o.c.  | One or more layers, any combination                | Prelim. Attach                  | VersiWeld, min. 60-mil or VersiFleece FR TPO | HPV-X Fastener with HPV-X Plate   | 6-inch o.c.      | 5.5-inch  | 114.5-inch o.c. | 1.5-inch outside | -45.0                     |
| W-33.      | Min. 19/32-inch CDX plywood or wood plank; 2-ft span, 8d ring shank nails, 6" o.c.  | One or more layers, any combination                | Prelim. attach                  | VersiWeld, min. 60-mil                       | HPV-XL Fastener with HPV-XL Plate   | 12-inch o.c.     | 5.5-inch  | 90.5-inch o.c.  | 1.5-inch outside | -45.0                     |
| W-34.      | Min. 19/32-inch CDX plywood or wood plank; 2 ft span, 8d ring shank nails, 6" o.c.  | One or more layers, any combination                | Prelim. attach                  | VersiFleece FR TPO                           | HPV-XL Fastener with HPV-XL Plate   | 6-inch o.c.      | 5.5-inch  | 54.5-inch o.c.  | 1.5-inch outside | -45.0                     |
| W-35.      | Min. 19/32-inch plywood or wood plank; 2-ft span; 8d ring shank nails 6-inch o.c. in the field; #10 ring shank nails 4-inch o.c. at the perimeter | One or more layers, any combination                | Prelim. attach                  | VersiWeld                                    | HPV-X Fastener with HPV-X 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-36.      | Min. 19/32-inch plywood or wood plank; 2-ft span; 8d ring shank nails 6-inch o.c. in the field; #10 ring shank nails 4-inch o.c. at the perimeter | One or more layers, any combination                | Prelim. attach                  | VersiWeld                                    | HPV-X Fastener with HPV-X 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 1F: 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 11)</a>                 | Attach   | Membrane                             | Adhesive     |                           |
| W-37.      | Min. 19/32-inch plywood; 2-ft span; #10 x 2-inch wood screws, 6-inch o.c. | One or more layers, any combination          | Loose-laid | Atlas Summit Synthetic Underlayment | Versico Insultite and Versico 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. | VersiWeld QA TPO                     | Self-adhered | -120.0                    |

**TABLE 1G: 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     | Membrane                                     | Fastener <a href="#">(Note 11)</a>  | Fastener Spacing | Lap Width | Lap Spacing                            | Seam Weld        |                           |
| W-38.      | Min. 19/32-inch CDX plywood or wood plank; 2 ft span, 8d ring shank nails, 6" o.c. | (Optional) Any approved thermal barrier | Loose-laid | VersiWeld, min. 60-mil or VersiFleece FR TPO | HPV-X Fastener with HPV-X Plate   | 6-inch o.c.      | 5.5-inch  | 114.5-inch o.c.                        | 1.5-inch outside | -45.0                     |
| W-39.      | Min. 19/32-inch CDX plywood or wood plank; 2-ft span, 8d ring shank nails, 6" o.c. | (Optional) Any approved thermal barrier | Loose-laid | VersiWeld, min. 60-mil                       | HPV-XL Fastener with HPV-XL Plate   | 12-inch o.c.     | 5.5-inch  | 90.5-inch o.c.                         | 1.5-inch outside | -45.0                     |
| W-40.      | Min. 19/32-inch CDX plywood or wood plank; 2 ft span, 8d ring shank nails, 6" o.c. | (Optional) Any approved thermal barrier | Loose-laid | VersiFleece FR TPO                           | HPV-XL Fastener with HPV-XL Plate   | 6-inch o.c.      | 5.5-inch  | 54.5-inch o.c.                         | 1.5-inch outside | -45.0                     |
| W-41.      | Code compliant sheathing over nominal No. 2 wood trusses; 2 ft span                | (Optional) Any approved thermal barrier | Loose-laid | VersiWeld or VersiFleece FR TPO              | HPV-X Fastener with HPV-X 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 1H: 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 11)</a>                 | Attach   | Membrane                             | Adhesive     |                           |
| W-42.      | Min. 19/32-inch plywood; 2-ft span; #10 x 2-inch wood screws, 6-inch o.c. | (Optional) Any approved thermal barrier | Loose-laid | Atlas Summit Synthetic Underlayment | Versico Insultite and Versico 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. | VersiWeld QA 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 <a href="#">(Note 1)</a>   | Vapor Barrier                            | Base Insulation Layer  |   | Top Insulation Layer   |  | 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>       | Membrane                             | Application                              |                            |  |
| <b>VERSIWELD OR VERSIWELD HS MEMBRANE APPLICATIONS:</b> |   |  |  |   |  |  |                                      |  |                            |  |
| SC-1  | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. | (Optional) VapAir Seal MD, self-adhering | Min. 1.5-inch VersiCore, SecurShield                                 | 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) | VersiWeld                            | LVOC BA                                  | -52.5                      |  |
| SC-2  | Min. 22 ga., type B, Grade 33 steel                                     | (Optional) VapAir Seal MD, self-adhering | Min. 1.5-inch VersiCore, SecurShield                                 | 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) | VersiWeld                            | VersiWeld BA                             | -75.0                      |  |
| SC-3  | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. | (Optional) VapAir Seal MD, self-adhering | Min. 1.5-inch VersiCore, SecurShield                                 | 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 SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 1.5-inch SecurShield, SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | VersiWeld                            | LVOC BA or VersiWeld BA                  | -82.5                      |  |
| SC-4  | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. | (Optional) VapAir Seal MD, self-adhering | Min. 1.5-inch VersiCore, SecurShield and/or SecurShield 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 SecurShield HD, SecurShield HD Plus or DuraStorm VSH  | Flexible DASH or Flexible DASH DT (RIBBON) | VersiWeld                            | Cav-Grip 3V A/P                          | -82.5                      |  |
| SC-5  | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. | (Optional) VapAir Seal MD, self-adhering | (Optional) Min. 1.5-inch VersiCore, SecurShield                      | 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 DuraFaceR (plywood top)  | Flexible DASH or Flexible DASH DT (RIBBON) | VersiWeld                            | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -82.5                      |  |
| SC-6  | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. | None                                     | Min. 1.5-inch VersiCore, SecurShield                                 | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange) | None   | N/A  | VersiWeld                            | Cav-Grip 3V A/P or VersiWeld BA          | -105.0                     |  |
| <b>VERSIWELD TPO MEMBRANE APPLICATIONS (FULL BOND):</b> |   |  |  |   |  |  |                                      |  |                            |  |



**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-7                                 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. | (Optional) VapAir Seal MD, self-adhering | Min. 1.5-inch VersiCore, SecurShield and/or SecurShield 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 SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                      | Flexible DASH or Flexible DASH DT (FULL) | -82.5                         |
| SC-8                                 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. | (Optional) VapAir Seal MD, self-adhering | Min. 1.5-inch VersiCore, SecurShield and/or SecurShield 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 SecurShield HD, SecurShield HD Plus or DuraStorm VSH                                     | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                      | HydroBond WB                             | -82.5                         |
| SC-9                                 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. | (Optional) VapAir Seal MD, self-adhering | (Optional) Min. 1.5-inch VersiCore, SecurShield                      | 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 DuraFaceR (plywood top)   | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                      | Flexible DASH or Flexible DASH DT (FULL) | -82.5                         |
| SC-10                                | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. | None                                     | Min. 1.5-inch VersiCore, SecurShield                                 | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange) | None  | N/A  | VersiFleece TPO                      | Flexible DASH or Flexible DASH DT (FULL) | -105.0                        |
| <b>VERSIFLEECE RL™ APPLICATIONS:</b> |   |  |  |   |   |  |                                      |  |                               |
| SC-11                                | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. | (Optional) VapAir Seal MD, self-adhering | Min. 1.5-inch VersiCore RL   | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange) | None  | N/A  | VersiFleece RL™                      |  | -82.5                         |
| SC-12                                | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. | (Optional) VapAir Seal MD, self-adhering | Min. 1.5-inch VersiCore, SecurShield                                 | 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. 0.5-inch SecurShield HD RL or min. 1.5-inch VersiCore RL                                   | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece RL™                      |  | -82.5                         |
| SC-13                                | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Teks 5, 6" o.c. | None                                     | Min. 1.5-inch VersiCore, SecurShield                                 | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange) | Min. 0.5-inch SecurShield HD RL   | Flexible DASH or Flexible DASH DT (FULL)   | VersiFleece RL™                      |  | -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>                             | MDP<br><a href="#">(psf)</a> |
|---|--|---|--|---------------------------|--|---|---|------------------------------|
|   |  | Type  | Fastener<br><a href="#">(Note 2, Note 11)</a>                                    | Attach                    | Type   | Attach<br><a href="#">(Notes 6,7,8)</a>                 |   |                              |
| <b>VERSIWELD OR VERSIWELD HS MEMBRANE APPLICATIONS:</b> |  |   |  |                           |  |   |   |                              |
| SC-14   | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete                                    | Min. 1.5-inch VersiCore, SecurShield                          | 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                                | Flexible DASH or Flexible DASH DT (RIBBON)              | VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -45.0*                       |
| SC-15   | 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 IX | Note 2   | 1 per 2.0 ft <sup>2</sup> | Min. 2.0-inch Insulfoam HD Composite   | Flexible DASH (RIBBON, 6-inch o.c.)                     | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                | -45.0*                       |
| SC-16   | Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield                          | Steel: Versico Insultite with HPV 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. 1-inch VersiCore, SecurShield   | Flexible DASH or Flexible DASH DT (RIBBON)              | VersiWeld (min. 60-mil) / Cav-Grip 3V A/P or VersiWeld BA           | -45.0                        |
| SC-17   | Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield                            | Steel: Versico Insultite with HPV 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 VersiCore, SecurShield   | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiWeld (min. 60-mil) / Cav-Grip 3V A/P or VersiWeld BA           | -52.5                        |
| SC-18   | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield                          | Steel: Versico Insultite with HPV 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. SecurShield HD, SecurShield HD Plus                                       | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiWeld / Cav-Grip 3V A/P, LVOC BA or G200SA YSA                  | -52.5                        |
| SC-19   | Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield                          | Steel: Versico Insultite with HPV 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, SecurShield HD | Flexible DASH or Flexible DASH DT (RIBBON)              | VersiWeld (min. 60-mil) / Cav-Grip 3V A/P or VersiWeld BA           | -60.0                        |
| SC-20   | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield                            | Steel: Versico Insultite with HPV 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. SecurShield HD, SecurShield HD Plus or DuraStorm VSH                      | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld 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><a href="#">(psf)</a> |
|------------|--|--------------------------------------|--|---------------------------|--|---|---|------------------------------|
|            |  | Type                                 | Fastener<br><a href="#">(Note 2, Note 11)</a>                                    | Attach                    | Type   | Attach<br><a href="#">(Notes 6,7,8)</a>                 |   |                              |
| SC-21      | Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete         | Min. 2-inch VersiCore, SecurShield   | Steel: Versico Insultite with HPV 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, SecurShield HD | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiWeld (min. 60-mil) / Cav-Grip 3V A/P or VersiWeld BA | -67.5                        |
| SC-22      | Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete         | Min. 2-inch VersiCore, SecurShield   | Steel: Versico Insultite with HPV 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 VersiCore, SecurShield   | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiWeld (min. 60-mil) / Cav-Grip 3V A/P or VersiWeld BA | -75.0                        |
| SC-23      | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete         | Min. 1.5-inch VersiCore, SecurShield | Steel: Versico Insultite with HPV 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. SecurShield HD, SecurShield HD Plus or DuraStorm VSH                      | Flexible DASH or Flexible DASH DT (FULL)                | VersiWeld / G200SA YSA                                    | -75.0                        |
| SC-24      | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete         | Min. 1.5-inch VersiCore, SecurShield | Steel: Versico Insultite with HPV 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. SecurShield HD, SecurShield HD Plus or DuraStorm VSH                      | Flexible DASH or Flexible DASH DT (FULL)                | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA      | -82.5                        |
| SC-25      | Min. 22 ga., type B, Grade 33 steel; 6 ft span; two (2) #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield   | Steel: Versico Insultite with HPV 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 VersiCore, SecurShield   | Flexible DASH or Flexible DASH DT (FULL)                | VersiWeld (min. 60-mil) / Cav-Grip 3V A/P or VersiWeld BA | -82.5                        |
| SC-26      | Min. 22 ga., type B, Grade 33 steel; 6 ft span; two (2) #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield   | Steel: Versico Insultite with HPV 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, SecurShield HD | Flexible DASH or Flexible DASH DT (FULL)                | VersiWeld (min. 60-mil) / Cav-Grip 3V A/P or VersiWeld BA | -82.5                        |
| SC-27      | Min. 22 ga., type B, Grade 80 steel; 6 ft span, two (2) #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield   | Steel: Versico Insultite with HPV 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. SecurShield HD, SecurShield HD Plus or DuraStorm VSH                      | Flexible DASH or Flexible DASH DT (FULL)                | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA      | -90.0                        |

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

| System No. | Deck<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, Note 11)</a>                                    | Attach                    | Type   | Attach<br><a href="#">(Notes 6,7,8)</a>  |  |                              |
| SC-28      | Min. 22 ga., type B, Grade 80 steel; 6 ft span; two (2) #12 HWH TekS 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield                       | Steel: Versico Insultite with HPV 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, SecurShield HD | Flexible DASH or Flexible DASH DT (FULL) | VersiWeld (min. 60-mil) / Cav-Grip 3V A/P or VersiWeld BA  | -112.5                       |
| SC-29      | Min. 22 ga., type B, Grade 80 steel; 6 ft span; two (2) #12 HWH TekS 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield                       | Steel: Versico Insultite with HPV 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 VersiCore, SecurShield   | Flexible DASH or Flexible DASH DT (FULL) | VersiWeld (min. 60-mil) / Cav-Grip 3V A/P or VersiWeld BA  | -135.0                       |
| SC-30      | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete   | Min. 1.5-inch ACFoam II, VersiCore, SecurShield, ENRGY 3 | Note 2   | 1 per 2.0 ft <sup>2</sup> | Additional layers of base insulation   | OB500                                    | VersiWeld / Aqua Base 120, Cav-Grip 3V A/P or VersiWeld 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, VersiCore, SecurShield, 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 SecurShield HD Composite   | OB500                                    | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld 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, VersiCore, SecurShield, 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                                    | VersiWeld / Aqua Base 120 or VersiWeld BA                  | -45.0*                       |
| SC-33      | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete   | Min. 1.5-inch ACFoam II, VersiCore, SecurShield, 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                                    | VersiWeld / Cav-Grip 3V A/P                                | -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, VersiCore, SecurShield, ENRGY 3   | OB500                                    | VersiWeld / Aqua Base 120, Cav-Grip 3V A/P or VersiWeld 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, VersiCore, SecurShield, ENRGY 3 | Note 2   | 1 per 4.0 ft <sup>2</sup> | Additional layers of base insulation   | OB500                                    | VersiWeld / Aqua Base 120, Cav-Grip 3V A/P or VersiWeld 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, VersiCore, SecurShield, 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 SecurShield HD Composite   | OB500                                    | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld 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><a href="#">(psf)</a> |
|--|---|---|---|---------------------------|---|--|--|------------------------------|
|  |   | Type  | Fastener<br><a href="#">(Note 2, Note 11)</a> | Attach                    | Type  | Attach<br><a href="#">(Notes 6,7,8)</a>    |  |                              |
| SC-37  | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete                                     | Min. 2.0-inch AC Foam II, VersiCore, SecurShield, ENRGY 3                                     | Note 2  | 1 per 4.0 ft <sup>2</sup> | Insulation: (Optional) Additional layer(s) base insulation<br>Coverboard: Min. 0.25-inch DensDeck, DensDeck Prime         | OB500                                      | VersiWeld / Aqua Base 120 or VersiWeld BA                                  | -45.0*                       |
| SC-38  | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete                                     | Min. 2.0-inch AC Foam II, VersiCore, SecurShield, ENRGY 3                                     | Note 2  | 1 per 4.0 ft <sup>2</sup> | Insulation: (Optional) Additional layer(s) base insulation<br>Coverboard: Min. 0.25-inch DensDeck Prime                   | OB500                                      | VersiWeld / Cav-Grip 3V A/P  | -45.0*                       |
| SC-39  | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete                                     | Min. 1.5-inch VersiCore, SecurShield  | Note 2  | 1 per 3.2 ft <sup>2</sup> | Insulation: (Optional) Additional layer(s) base insulation<br>Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500                                      | VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA        | -45.0*                       |
| SC-40  | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete                                     | Min. 2-inch VersiCore, SecurShield  | Note 2  | 1 per 2.7 ft <sup>2</sup> | Insulation: (Optional) Additional layer(s) base insulation<br>Coverboard: Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board  | OB500                                      | VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA        | -45.0*                       |
| SC-41  | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH TekS 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield  | Note 2  | 1 per 1.6 ft <sup>2</sup> | Insulation: (Optional) Additional layer(s) base insulation<br>Coverboard: Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board  | OB500                                      | VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA        | -60.0                        |
| <b>VERSIFLEECE TPO MEMBRANE APPLICATIONS (PARTIAL BOND):</b> |   |   |   |                           |   |  |  |                              |
| SC-42  | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete                                     | One or more layers Min. 1.5-inch VersiCore, HP-N or HP-W, SecurShield, ENRGY 3, or AC Foam II | Note 2  | 1 per 2.0 ft <sup>2</sup> | Additional layers of base insulation  | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0*                       |
| SC-43  | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete                                     | Min. 1.5-inch VersiCore, SecurShield  | Note 2  | 1 per 3.2 ft <sup>2</sup> | Min. 1.5-inch additional layers of base insulation or min. 2-inch SecurShield HD Composite                                | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0*                       |
| SC-44  | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete                                     | Min. 2-inch VersiCore, SecurShield  | Note 2  | 1 per 4.0 ft <sup>2</sup> | Min. 1-inch additional layers of base insulation or min. 2-inch SecurShield HD Composite                                  | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO / 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, Note 11)</a> | Attach                    | Type   | Attach<br><a href="#">(Notes 6,7,8)</a>                |  |                              |
| SC-45   | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield                          | 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)             | VersiFleece TPO / 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. 2-inch VersiCore, SecurShield                            | 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)             | VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0*                       |
| <b>VERSIFLEECE TPO MEMBRANE APPLICATIONS (FULL BOND):</b> |   |   |   |                           |  |  |  |                              |
| SC-47   | 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 IX | Note 2  | 1 per 2.0 ft <sup>2</sup> | Min. 2.0-inch Insulfoam HD Composite   | Flexible DASH (RIBBON, 6-inch o.c.)                    | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)                 | -45.0*                       |
| SC-48   | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield                          | 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 | Flexible DASH or Flexible DASH DT (RIBBON 6-inch o.c.) | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)                 | -45.0*                       |
| SC-49   | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield                          | Note 2  | 1 per 3.2 ft <sup>2</sup> | <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)             | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)                 | -45.0*                       |
| SC-50   | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield                          | 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)             | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)                 | -45.0*                       |
| SC-51   | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2.0-inch VersiCore, SecurShield                          | Note 2  | 1 per 4.0 ft <sup>2</sup> | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 1.0-inch base insulation                  | Flexible DASH or Flexible DASH DT (RIBBON)             | VersiFleece TPO / 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. 2.0-inch VersiCore, SecurShield                          | 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)             | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)                 | -45.0*                       |

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

| System No. | Deck<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, Note 11)</a>                                 | Attach                    | Type  | Attach<br><a href="#">(Notes 6,7,8)</a>                 |  |                              |
| SC-53      | Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Steel: Versico Insultite with HPV Insulation Fastening Plate 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. 1-inch VersiCore, SecurShield                        | Flexible DASH or Flexible DASH DT (RIBBON)              | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0                        |
| SC-54      | Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield   | Steel: Versico Insultite with HPV Insulation Fastening Plate 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 VersiCore, SecurShield                      | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -52.5                        |
| SC-55      | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Steel: Versico Insultite with HPV Insulation Fastening Plate 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. SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -52.5                        |
| SC-56      | Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Steel: Versico Insultite with HPV Insulation Fastening Plate 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, SecurShield HD              | Flexible DASH or Flexible DASH DT (RIBBON)              | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -60.0                        |
| SC-57      | Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Steel: Versico Insultite with HPV Insulation Fastening Plate 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)              | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)                 | -60.0                        |
| SC-58      | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield   | Steel: Versico Insultite with HPV Insulation Fastening Plate 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. SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -60.0                        |
| SC-59      | Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield   | Steel: Versico Insultite with HPV Insulation Fastening Plate 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, SecurShield HD              | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -67.5                        |
| SC-60      | Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield   | Steel: Versico Insultite with HPV Insulation Fastening Plate 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.) | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)                 | -67.5                        |

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

| System No. | Deck<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, Note 11)</a>                                    | Attach                    | Type  | Attach<br><a href="#">(Notes 6,7,8)</a>                 |  |                              |
| SC-61      | Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete         | Min. 2-inch VersiCore, SecurShield   | Steel: Versico Insultite with HPV Insulation Fastening Plate<br>Concrete: Note 2 | 1 per 1.6 ft <sup>2</sup> | Insulation: (Optional) Additional layer(s) base insulation<br>Coverboard: Min. 1-inch VersiCore, SecurShield                        | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -75.0                        |
| SC-62      | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete         | Min. 1.5-inch VersiCore, SecurShield | Note 2   | 1 per 1.6 ft <sup>2</sup> | Min. 1.0-inch base insulation or minimum 2-inch SecurShield HD Composite  | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)                 | -82.5                        |
| SC-63      | Min. 22 ga., type B, Grade 33 steel; 6 ft span; two (2) #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield   | Steel: Versico Insultite with HPV Insulation Fastening Plate<br>Concrete: Note 2 | 1 per 1.0 ft <sup>2</sup> | Insulation: (Optional) Additional layer(s) base insulation<br>Coverboard: Min. 1-inch VersiCore, SecurShield                        | Flexible DASH or Flexible DASH DT (FULL)                | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -82.5                        |
| SC-64      | Min. 22 ga., type B, Grade 33 steel; 6 ft span; two (2) #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield   | Steel: Versico Insultite with HPV Insulation Fastening Plate<br>Concrete: Note 2 | 1 per 1.0 ft <sup>2</sup> | Insulation: (Optional) Additional layer(s) base insulation<br>Coverboard: Min. 0.5-inch DensDeck Prime, SecurShield HD              | Flexible DASH or Flexible DASH DT (FULL)                | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -82.5                        |
| SC-65      | Min. 22 ga., type B, Grade 33 steel; 6 ft span; two (2) #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield   | Steel: Versico Insultite with HPV Insulation Fastening Plate<br>Concrete: Note 2 | 1 per 1.0 ft <sup>2</sup> | Insulation: (Optional) Additional layer(s) base insulation<br>Coverboard: Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board            | Flexible DASH or Flexible DASH DT (FULL)                | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)                 | -82.5                        |
| SC-66      | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete         | Min. 1.5-inch VersiCore, SecurShield | Steel: Versico Insultite with HPV Insulation Fastening Plate<br>Concrete: Note 2 | 1 per 1.3 ft <sup>2</sup> | Insulation: (Optional) Additional layer(s) base insulation<br>Coverboard: Min. SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (FULL)                | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -82.5                        |
| SC-67      | Min. 22 ga., type B, Grade 80 steel; 6 ft span, two (2) #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield   | Steel: Versico Insultite with HPV Insulation Fastening Plate<br>Concrete: Note 2 | 1 per 1.3 ft <sup>2</sup> | Insulation: (Optional) Additional layer(s) base insulation<br>Coverboard: Min. SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (FULL)                | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -90.0                        |
| SC-68      | Min. 22 ga., type B, Grade 80 steel; 6 ft span; two (2) #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield   | Steel: Versico Insultite with HPV Insulation Fastening Plate<br>Concrete: Note 2 | 1 per 1.0 ft <sup>2</sup> | Insulation: (Optional) Additional layer(s) base insulation<br>Coverboard: Min. 0.5-inch DensDeck Prime, SecurShield HD              | Flexible DASH or Flexible DASH DT (FULL)                | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -112.5                       |



**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, Note 11)</a>  | Attach                    | Type   | Attach<br><a href="#">(Notes 6,7,8)</a>              |  |                              |
| SC-69                                | Min. 22 ga., type B, Grade 80 steel; 6 ft span; two (2) #12 HWH TekS 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield   | Steel: Versico Insultite with HPV 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)             | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)                 | -112.5                       |
| SC-70                                | Min. 22 ga., type B, Grade 80 steel; 6 ft span; two (2) #12 HWH TekS 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield   | Steel: Versico Insultite with HPV 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 VersiCore, SecurShield             | Flexible DASH or Flexible DASH DT (FULL)             | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -135.0                       |
| <b>VERSIFLEECE RL™ APPLICATIONS:</b> |   |                                      |  |                           |  |  |  |                              |
| SC-71                                | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete   | Min. 1.5-inch VersiCore, SecurShield | Steel: Versico Insultite with HPV Insulation Fastening Plate or SecurFast 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 SecurShield HD RL                | Flexible DASH or Flexible DASH DT (FULL or SPLATTER) | VersiFleece RL™  | -45.0*                       |
| SC-72                                | Min. 22 ga., type B, Grade 33 steel; 6 ft span, TEKS/5 screws 6" o.c. or min. 2,500 psi structural concrete           | Min. 1.5-inch VersiCore, SecurShield | Steel: Versico Insultite with HPV Insulation Fastening Plate or SecurFast 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 SecurShield HD RL                | Flexible DASH or Flexible DASH DT (FULL)             | VersiFleece RL™  | -52.5                        |
| SC-73                                | Min. 22 ga., type B, Grade 33 steel; 6 ft span, TEKS/5 screws 6" o.c. or min. 2,500 psi structural concrete           | Min. 1.5-inch VersiCore, SecurShield | Steel: Versico Insultite with HPV Insulation Fastening Plate or SecurFast 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 SecurShield HD RL                | Flexible DASH or Flexible DASH DT (FULL)             | VersiFleece RL™  | -82.5                        |
| SC-74                                | Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) TEKS/5 screws 6" o.c. or min. 2,500 psi structural concrete   | Min. 1.5-inch VersiCore, SecurShield | Steel: Versico Insultite with HPV Insulation Fastening Plate or SecurFast 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 SecurShield HD RL                | Flexible DASH or Flexible DASH DT (FULL)             | VersiFleece RL™  | -112.5                       |

**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<br><a href="#">(Note 15)</a>   |  | MDP<br><a href="#">(psf)</a> |
|--|--|------------------------------------|--|---------------------------|---|---|---|--|------------------------------|
|  |  | Type                               | Fastener<br><a href="#">(Note 2, Note 11)</a>                                    | Attach                    | Type  | Attach <a href="#">(Notes 6,7,8)</a>                    | Base Ply  | Top Ply  |                              |
| <b>VERSIFLEECE TPO MEMBRANE APPLICATIONS (PARTIAL BOND):</b> |  |                                    |  |                           |   |   |   |  |                              |
| SC-75  | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete  | Min. 2-inch VersiCore, SecurShield | Steel: Versico Insultite with HPV 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 | VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0*                       |
| SC-76  | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete  | Min. 2-inch VersiCore, SecurShield | Steel: Versico Insultite with HPV 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  | VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0*                       |
| SC-77  | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete         | Min. 2-inch VersiCore, SecurShield | Steel: Versico Insultite with HPV 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  | VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)  | -75.0                        |
| <b>VERSIFLEECE AC TPO MEMBRANE APPLICATIONS:</b>             |  |                                    |  |                           |   |   |   |  |                              |
| SC-78  | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete  | Min. 2-inch VersiCore, SecurShield | Steel: Versico Insultite with HPV 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  | VersiFleece AC TPO / V-CAA or hot asphalt                                  | -45.0*                       |
| SC-79  | Min. 22 ga., type B, Grade 33 steel, 6 ft span, two (2) #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | 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  | VersiFleece AC TPO / V-CAA or hot asphalt                                  | -60.0                        |

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

| System No. | Deck<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, Note 11)</a>                                    | Attach                    | Type  | Attach <a href="#">(Notes 6,7,8)</a>       | Base Ply                                | Top Ply                                   |                              |
| SC-80      | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete  | Min. 2-inch VersiCore, SecurShield   | Steel: Versico Insultite with HPV 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    | VersiFleece AC TPO / V-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 VersiCore, SecurShield | 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    | VersiFleece AC TPO / V-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 VersiCore, SecurShield   | Steel: Versico Insultite with HPV 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    | VersiFleece AC TPO / V-CAA or hot asphalt | -45.0*                       |
| SC-83      | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete  | Min. 1.5-inch VersiCore, SecurShield | 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    | VersiFleece AC TPO / V-CAA or hot asphalt | -45.0*                       |
| SC-84      | Min. 22 ga., type B, Grade 33 steel, 6 ft span, two (2) #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield   | 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    | VersiFleece AC TPO / V-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>              | MDP<br><a href="#">(psf)</a> |
|---|--|--|---|---------------------------|-----------------|--|--------------------------------------|---|---|--|--|------------------------------|
|   |  | Type   | Fasten<br><a href="#">(Note 2, Note 11)</a>           | Attach                    |                 |  | Type                                 | Attach<br><a href="#">(Notes 6,7,8)</a>                 | Type  | Attach<br><a href="#">(Notes 6,7,8)</a>    |  |                              |
| <b>VERSIWELD OR VERSIWELD HS MEMBRANE APPLICATIONS:</b>       |  |  |   |                           |                 |  |                                      |   |   |  |  |                              |
| SC-85   | Min. 22 ga., type B, Grade 33 steel                                    | Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board | Note 2  | 1 per 2.0 ft <sup>2</sup> | CAV-GRIP Primer | Verisco 725TR, self-adhering               | Min. 1.5-inch VersiCore, SecurShield | 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) | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -45.0*                       |
| SC-86   | Min. 22 ga., type B, Grade 33 steel                                    | Min. 0.5-inch DensDeck Prime   | Versico Insultite with HPV Insulation Fastening Plate | 1 per 4.0 ft <sup>2</sup> | None            | SureMB 90TG or SureMB 120TG, torch-applied | Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON)              | (Optional) Additional layers base insulation  | Flexible DASH or Flexible DASH DT (RIBBON) | VersiWeld / Cav-Grip 3V A/P or VersiWeld BA          | -45.0*                       |
| SC-87   | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5, 6" o.c. | 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 | Verisco 725TR, self-adhering               | Min. 1.5-inch VersiCore, SecurShield | Flexible DASH (RIBBON)                                  | (Optional) Additional layers base insulation  | Flexible DASH (RIBBON)                     | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -52.5                        |
| SC-88   | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5, 6" o.c. | Min. 0.5-inch DensDeck Prime   | Versico Insultite with HPV Insulation Fastening Plate | 1 per 1.6 ft <sup>2</sup> | None            | SureMB 90TG or SureMB 120TG, torch-applied | Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | (Optional) Additional layer(s) base insulation  | Flexible DASH or Flexible DASH DT (RIBBON) | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -67.5                        |
| SC-89   | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5, 6" o.c. | Min. 0.5-inch DensDeck Prime   | Versico Insultite with HPV Insulation Fastening Plate | 1 per 1.6 ft <sup>2</sup> | None            | SureMB 90TG or SureMB 120TG, torch-applied | Min. 1.5-inch VersiCore, SecurShield | 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 SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -67.5                        |
| <b>VERSI FLEECE TPO MEMBRANE APPLICATIONS (PARTIAL BOND):</b> |  |  |   |                           |                 |  |                                      |   |   |  |  |                              |

**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, Note 11)</a>           | Attach                    |                 |  | Type  | Attach<br><a href="#">(Notes 6,7,8)</a>    | Type   | Attach<br><a href="#">(Notes 6,7,8)</a>                 |  |                              |
| 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 | Verisco 725TR, self-adhering               | (Optional) Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 2-inch SecurShield HD Composite                               | Flexible DASH or Flexible DASH DT (RIBBON)              | VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0*                       |
| SC-91   | 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 | Verisco 725TR, self-adhering               | Min. 1.5-inch VersiCore, SecurShield            | 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)              | VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)  | -45.0*                       |
| <b>VERSIFLEECE TPO MEMBRANE APPLICATIONS (FULL BOND):</b> |                                     |  |   |                           |                 |  |   |  |  |   |  |                              |
| 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 | Verisco 725TR, self-adhering               | Min. 1.5-inch VersiCore, SecurShield            | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)                 | -45.0*                       |
| SC-93   | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime   | Versico Insultite with HPV Insulation Fastening Plate | 1 per 4.0 ft <sup>2</sup> | None            | SureMB 90TG or SureMB 120TG, torch-applied | Min. 1.5-inch VersiCore, SecurShield            | Flexible DASH or Flexible DASH DT (RIBBON) | (Optional) Additional layers base insulation   | Flexible DASH or Flexible DASH DT (RIBBON)              | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0*                       |

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

| System No.                           | Deck<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, Note 11)</a>           | Attach                    |                 |  | Type                                 | Attach<br><a href="#">(Notes 6,7,8)</a>                 | Type  | Attach<br><a href="#">(Notes 6,7,8)</a>    |  |                              |
| SC-94                                | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH TekS 5, 6" o.c. | 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 | Verisco 725TR, self-adhering               | Min. 1.5-inch VersiCore, SecurShield | 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)                     | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)                 | -52.5                        |
| SC-95                                | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH TekS 5, 6" o.c. | Min. 0.5-inch DensDeck Prime   | Versico Insultite with HPV Insulation Fastening Plate | 1 per 1.6 ft <sup>2</sup> | None            | SureMB 90TG or SureMB 120TG, torch-applied | Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | (Optional) Additional layer(s) base insulation  | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -67.5                        |
| SC-96                                | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH TekS 5, 6" o.c. | Min. 0.5-inch DensDeck Prime   | Versico Insultite with HPV Insulation Fastening Plate | 1 per 1.6 ft <sup>2</sup> | None            | SureMB 90TG or SureMB 120TG, torch-applied | Min. 1.5-inch VersiCore, SecurShield | 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 SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -67.5                        |
| <b>VERSIFLEECE RL™ APPLICATIONS:</b> |   |  |   |                           |                 |  |                                      |   |   |  |  |                              |
| SC-97                                | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH TekS 5, 6" o.c. | Min. 0.5-inch DensDeck Prime   | Versico Insultite with HPV Insulation Fastening Plate | 1 per 1.6 ft <sup>2</sup> | None            | SureMB 90TG or SureMB 120TG, torch-applied | Min. 1.5-inch VersiCore RL           | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | <u>None</u>   | N/A  | VersiFleece RL™  | -67.5                        |

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

| System No. | Deck<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, Note 11)</a>           | Attach                    |        |  | Type                                 | Attach<br><a href="#">(Notes 6,7,8)</a>                 | Type  | Attach<br><a href="#">(Notes 6,7,8)</a>    |   |                              |
| SC-98      | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH TekS 5, 6" o.c. | Min. 0.5-inch DensDeck Prime | Versico Insultite with HPV Insulation Fastening Plate | 1 per 1.6 ft <sup>2</sup> | None   | SureMB 90TG or SureMB 120TG, torch-applied | Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | Insulation: (Optional) Additional layer(s) base insulation<br>Coverboard: Min. 0.5-inch SecurShield HD RL or min. 1.5-inch VersiCore RL | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece RL™                         | -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, 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, Note 11)</a>   | Attach                    |   |                              |
| <b>VERSIWELD OR VERSIWELD HS MEMBRANE APPLICATIONS:</b> |   |  |   |  |                           |   |                              |
| SC-99   | 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> | VersiWeld / VersiWeld BA  | -45.0*                       |
| SC-100  | 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   | Versico Insultite with SecurFAST Insulation Fastening Plate  | 1 per 4.0 ft <sup>2</sup> | VersiWeld / VersiWeld BA  | -45.0*                       |
| SC-101  | 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: Versico Insultite with SecurFast Insulation Fastening Plate<br>Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with SecurFast Insulation Fastening Plate | 1 per 3.2 ft <sup>2</sup> | VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -45.0*                       |
| SC-102  | 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> | VersiWeld / VersiWeld BA  | -45.0*                       |
| SC-103  | 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   | HP Fastener with Insulation Fastening Plate  | 1 per 3.2 ft <sup>2</sup> | VersiWeld / VersiWeld 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>(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                    |   |              |
| SC-104     | 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> | VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -45.0*       |
| SC-105     | 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: Versico Insultite with SecurFast Insulation Fastening Plate<br>Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with SecurFast Insulation Fastening Plate | 1 per 4.0 ft <sup>2</sup> | VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -45.0*       |
| SC-106     | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.5-inch DensDeck Prime                              | Steel: Versico Insultite with HPV Insulation Fastening Plate<br>Concrete: Note 2   | 1 per 4.0 ft <sup>2</sup> | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                | -45.0*       |
| SC-107     | 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> | VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld 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 0.625-inch SECUROCK Gypsum-Fiber Roof Board          | Steel: Versico Insultite with SecurFast Insulation Fastening Plate<br>Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with SecurFast Insulation Fastening Plate | 1 per 5.3 ft <sup>2</sup> | VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -45.0*       |
| SC-109     | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.625-inch SECUROCK Gypsum-Fiber Roof Board          | Note 2   | 1 per 4.0 ft <sup>2</sup> | VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld 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 19/32-inch APA rated plywood                         | Trufast SIP LD Fastener  | 1 per 2.7 ft <sup>2</sup> | VersiWeld / Aqua Base 120, Cav-Grip 3V A/P or VersiWeld 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 19/32-inch APA rated plywood                         | Note 2   | 1 per 3.6 ft <sup>2</sup> | VersiWeld / Aqua Base 120, Cav-Grip 3V A/P or VersiWeld BA          | -45.0*       |
| SC-112     | 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 VersiCore, SecurShield                       | Note 2   | 1 per 1.6 ft <sup>2</sup> | VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, or VersiWeld BA         | -45.0*       |
| SC-113     | 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, VersiCore, SecurShield, ENRGY 3 | Note 2   | 1 per 2.0 ft <sup>2</sup> | VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, or VersiWeld 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>(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                    |   |              |
| SC-114     | 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 VersiCore, SecurShield                      | Steel: Versico Insultite with SecurFast Insulation Fastening Plate<br>Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with SecurFast Insulation Fastening Plate | 1 per 3.2 ft <sup>2</sup> | VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -45.0*       |
| SC-115     | 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 SecurShield HD Composite                    | Note 2   | 1 per 2.0 ft <sup>2</sup> | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                | -45.0*       |
| SC-116     | 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, VersiCore, SecurShield, ENRGY 3  | Note 2   | 1 per 4.0 ft <sup>2</sup> | VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, or VersiWeld BA         | -45.0*       |
| SC-117     | 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 SecurShield HD Composite                    | Note 2   | 1 per 4.0 ft <sup>2</sup> | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                | -45.0*       |
| SC-118     | Min. 22 ga., type B, Grade 40 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 | (Optional) One or more layers, any combination, loose laid               | Min. 1.5-inch VersiCore, SecurShield                      | Steel: Versico Insultite with SecurFast Insulation Fastening Plate<br>Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with SecurFast Insulation Fastening Plate | 1 per 2.0 ft <sup>2</sup> | VersiWeld / Cav-Grip 3V A/P or VersiWeld BA                         | -45.0        |
| SC-119     | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete   | Min. 1.5-inch VersiCore, SecurShield, loose laid                         | Min. SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Steel: Versico Insultite with AccuTrac Plate<br>Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with AccuTrac Plate   | 1 per 2.9 ft <sup>2</sup> | VersiWeld / Cav-Grip 3V A/P or VersiWeld BA                         | -45.0*       |
| SC-120     | 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. SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Note 2   | 1 per 2.0 ft <sup>2</sup> | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                | -45.0*       |
| SC-121     | Min. 22 ga., type B, Grade 33 steel or structural concrete  | Min. 1.5-inch VersiCore, HP-N or HP-W, SecurShield, ENRGY 3 or ACFoam II | Min. 0.5-inch SecurShield HD Plus or DuraStorm VSH        | Note 2   | 1 per 4.0 ft <sup>2</sup> | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                | -45.0*       |
| SC-122     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete  | Min. 1.5-inch VersiCore, SecurShield                                     | Min. 0.25-inch DensDeck Prime                             | Steel: Versico Insultite with HPV Insulation Fastening Plate<br>Concrete: Note 2   | 1 per 1.8 ft <sup>2</sup> | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                | -52.5        |
| SC-123     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete  | Min. 1.5-inch thick, one or more layers, any combination, loose laid     | Min 19/32-inch APA rated plywood                          | Note 2   | 1 per 1.9 ft <sup>2</sup> | VersiWeld / Aqua Base 120   | -52.5        |

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

| System No. | Deck<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                    |   |              |
| SC-124     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or structural concrete                        | Min. 1.5-inch VersiCore, HP-N or HP-W, SecurShield, ENRGY 3 or AC Foam II | Min. 0.5-inch SecurShield HD Plus or DuraStorm VSH            | Note 2   | 1 per 1.8 ft <sup>2</sup> | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                | -60.0        |
| SC-125     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. 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> | VersiWeld / Cav-Grip 3V A/P or VersiWeld BA                         | -60.0        |
| SC-126     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, two (2) #12 HWH Tek 5, 6" o.c. 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: Versico Insultite with SecurFast Insulation Fastening Plate<br>Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with SecurFast Insulation Fastening Plate | 1 per 1.0 ft <sup>2</sup> | VersiWeld / Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -60.0        |
| SC-127     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete         | Min. 1.5-inch VersiCore, SecurShield                                      | Min. 0.5-inch DensDeck Prime                                  | Steel: Versico Insultite with HPV Insulation Fastening Plate<br>Concrete: Note 2   | 1 per 1.8 ft <sup>2</sup> | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                | -67.5        |
| SC-128     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c.   | 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> | VersiWeld / VersiWeld BA  | -67.5        |
| SC-129     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete         | Min. 1.5-inch thick, one or more layers, any combination, loose laid      | Min 19/32-inch APA rated plywood                              | Note 2   | 1 per 1.9 ft <sup>2</sup> | VersiWeld / Cav-Grip 3V A/P or VersiWeld BA                         | -75.0        |
| SC-130     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete         | (Optional) One or more layers, any combination, loose laid                | Min 2.0-inch AC Foam II, VersiCore, SecurShield, ENRGY 3      | Note 2   | 1 per 1.6 ft <sup>2</sup> | VersiWeld / VersiWeld BA  | -75.0        |
| SC-131     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete         | (Optional) One or more layers, any combination, loose laid                | Min 2.0-inch VersiCore, SecurShield                           | Note 2   | 1 per 1.6 ft <sup>2</sup> | VersiWeld / Cav-Grip 3V A/P   | -75.0        |
| SC-132     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete         | (Optional) One or more layers, any combination, loose laid                | Min. 2.0-inch SecurShield HD Composite                        | Note 2   | 1 per 1.6 ft <sup>2</sup> | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                | -75.0        |
| SC-133     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete         | Min. 1.5-inch VersiCore, SecurShield                                      | Min. 0.5-inch DensDeck Prime                                  | Steel: Versico Insultite with HPV Insulation Fastening Plate<br>Concrete: Note 2   | 1 per 1.6 ft <sup>2</sup> | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld 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>(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                    |  |              |
| SC-134     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. 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> | VersiWeld / Cav-Grip 3V A/P or LVOC BA                 | -75.0        |
| SC-135     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. 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> | VersiWeld / Cav-Grip 3V A/P or VersiWeld BA            | -82.5        |
| SC-136     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete         | Min. 1.5-inch thick, one or more layers, any combination, loose laid                            | Min 19/32-inch APA rated plywood                              | Note 2   | 1 per 1.0 ft <sup>2</sup> | VersiWeld / Cav-Grip 3V A/P                            | -82.5        |
| SC-137     | Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c.   | Min. 1.5-inch thick, one or more layers, any combination, loose laid                            | Min. 0.5-inch SECUROCK Ultralight Coated Glass-Mat Roof Board | HP Fastener with Insulation Fastening Plate                                      | 1 per 1.0 ft <sup>2</sup> | VersiWeld / VersiWeld BA                               | -97.5        |
| SC-138     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete         | Min. 1.5-inch thick, one or more layers, any combination, loose laid                            | Min 19/32-inch APA rated plywood                              | Note 2   | 1 per 1.0 ft <sup>2</sup> | VersiWeld / VersiWeld BA                               | -97.5        |
| SC-139     | Min. 20 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. 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> | VersiWeld / Cav-Grip 3V A/P or VersiWeld BA            | -112.5       |
| SC-140     | Min. 18 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. 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> | VersiWeld / Cav-Grip 3V A/P or VersiWeld BA            | -112.5       |
| SC-141     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or structural concrete                        | Min. 1.5-inch VersiCore, HP-N or HP-W, SecurShield, ENRGY 3 or ACFoam II                        | Min. 0.5-inch SecurShield HD Plus or DuraStorm VSH            | Note 2   | 1 per 1.3 ft <sup>2</sup> | VersiWeld / Cav-Grip 3V A/P or VersiWeld BA or LVOC BA | -112.5       |
| SC-142     | Min. 22 ga., type B, Grade 80 steel; 6 ft span, two (2) #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete | (Optional) Min. 1-inch VersiCore, SecurShield, ENRGY 3, Polyiso HP-N, ACFoam II or Polyiso HP-W | Min. 2-inch SecurShield HD Composite                          | Steel: Versico Insultite with HPV Insulation Fastening Plate<br>Concrete: Note 2 | 1 per 1.3 ft <sup>2</sup> | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA   | -112.5       |
| SC-143     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete         | Min. 1.5-inch thick, one or more layers, any combination, loose laid                            | Min. 2.0-inch SecurShield HD Composite                        | Note 2   | 1 per 1.0 ft <sup>2</sup> | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA   | -112.5       |
| SC-144     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete         | (Optional) One or more layers, any combination, loose laid                                      | Min 2-inch SecurShield  | Note 2   | 1 per 1.0 ft <sup>2</sup> | VersiWeld / Cav-Grip 3V A/P or VersiWeld 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>(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                    |  |              |
| SC-145   | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. 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> | VersiWeld / Cav-Grip 3V A/P or LVOC BA                                     | -127.5       |
| SC-146   | Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) Tekes 5, 6" o.c. or min. 2,500 psi structural concrete         | Min. 1.5-inch VersiCore, SecurShield  | Min 0.5-inch DensDeck Prime                   | Steel: Versico Insultite with HPV Insulation Fastening Plate<br>Concrete: Note 2 | 1 per 1.0 ft <sup>2</sup> | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                       | -127.5       |
| SC-147   | Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete | (Optional) Min. 1-inch VersiCore, SecurShield, ENRGY 3, Polyiso HP-N, ACfoam II or Polyiso HP-W | Min. 2-inch VersiCore or SecurShield          | Steel: Versico Insultite with HPV Insulation Fastening Plate<br>Concrete: Note 2 | 1 per 1.0 ft <sup>2</sup> | VersiWeld / Cav-Grip 3V A/P or VersiWeld BA                                | -127.5       |
| SC-148   | Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete | (Optional) Min. 1-inch VersiCore, SecurShield, ENRGY 3, Polyiso HP-N, ACfoam II or Polyiso HP-W | Min. 2-inch SecurShield                       | Steel: Versico Insultite with HPV Insulation Fastening Plate<br>Concrete: Note 2 | 1 per 1.0 ft <sup>2</sup> | VersiWeld / LVOC BA  | -127.5       |
| SC-149   | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete         | Min. 1.5-inch thick, one or more layers, any combination, loose laid                            | Min. 2.0-inch SecurShield                     | Note 2   | 1 per 1.0 ft <sup>2</sup> | VersiWeld / Cav-Grip 3V A/P or LVOC BA                                     | -127.5       |
| SC-150   | Min. 22 ga., type B, Grade 80 steel; 6 ft span, two (2) #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete | (Optional) Min. 1-inch VersiCore, SecurShield, ENRGY 3, Polyiso HP-N, ACfoam II or Polyiso HP-W | Min. 2.5-inch SecurShield HD Composite        | Steel: Versico Insultite with HPV Insulation Fastening Plate<br>Concrete: Note 2 | 1 per 1.0 ft <sup>2</sup> | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                       | -150.0       |
| <b>VERSIFLEECE TPO MEMBRANE APPLICATIONS (PARTIAL BOND):</b> |  |   |   |  |                           |  |              |
| 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. 1.5-inch VersiCore, SecurShield          | Note 2   | 1 per 3.2 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0*       |
| SC-152   | 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 VersiCore, SecurShield            | Note 2   | 1 per 4.0 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0*       |
| SC-153   | 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 SecurShield HD Composite          | Note 2   | 1 per 4.0 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0*       |
| SC-154   | 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> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0*       |
| <b>VERSIFLEECE TPO MEMBRANE APPLICATIONS (FULL BOND):</b>    |  |   |   |  |                           |  |              |

**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                    |  |              |
| SC-155     | 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 VersiCore, SecurShield   | Steel: Versico Insultite with SecurFast Insulation Fastening Plate<br>Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with SecurFast Insulation Fastening Plate | 1 per 3.2 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)                 | -45.0*       |
| SC-156     | 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 VersiCore, SecurShield   | Steel: Versico Insultite with SecurFast Insulation Fastening Plate<br>Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with SecurFast Insulation Fastening Plate | 1 per 3.2 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0*       |
| SC-157     | 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 VersiCore, SecurShield   | Note 2   | 1 per 2.0 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0*       |
| SC-158     | Min. 22 ga., type B, Grade 40 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 | (Optional) One or more layers, any combination, loose laid           | Min. 1.5-inch VersiCore                | Steel: Versico Insultite with SecurFast Insulation Fastening Plate<br>Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with SecurFast Insulation Fastening Plate | 1 per 2.0 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -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. 1-inch VersiCore, SecurShield     | Note 2   | 1 per 1.6 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -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. 2.0-inch VersiCore, SecurShield   | Note 2   | 1 per 4.0 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0*       |
| SC-161     | 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 SecurShield HD Composite | Note 2   | 1 per 2.0 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0*       |
| SC-162     | 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 SecurShield HD Composite | Note 2   | 1 per 4.0 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0*       |
| SC-163     | 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: Versico Insultite with HPV Insulation Fastening Plate<br>Concrete: Note 2   | 1 per 4.0 ft <sup>2</sup> | VersiFleece TPO / 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, 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, Note 11)</a>   | Attach                    |  |                              |
| SC-164     | 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: Versico Insultite with SecurFast Insulation Fastening Plate<br>Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with SecurFast Insulation Fastening Plate | 1 per 3.2 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)                 | -45.0*                       |
| SC-165     | 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> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0*                       |
| 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 0.25-inch SECUROCK Gypsum-Fiber Roof Board            | Note 2   | 1 per 2.0 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0*                       |
| SC-167     | 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: Versico Insultite with SecurFast Insulation Fastening Plate<br>Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with SecurFast Insulation Fastening Plate | 1 per 4.0 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)                 | -45.0*                       |
| SC-168     | 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> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0*                       |
| SC-169     | 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: Versico Insultite with SecurFast Insulation Fastening Plate<br>Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with SecurFast Insulation Fastening Plate | 1 per 5.3 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)                 | -45.0*                       |
| SC-170     | Min. 22 ga., type B, Grade 33 steel or structural concrete   | Min. 1.5-inch VersiCore, HP-N or HP-W, SecurShield, ENRGY 3 or ACFoam II | Min. 0.5-inch SecurShield HD Plus or DuraStorm VSH        | Note 2   | 1 per 4.0 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)                 | -45.0*                       |
| SC-171     | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete                                    | Min. 1.5-inch VersiCore, SecurShield, loose laid                         | Min. SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Steel: Versico Insultite with AccuTrac Plate<br>Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with AccuTrac Plate   | 1 per 2.9 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0*                       |
| SC-172     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield                                     | Min. 0.25-inch DensDeck Prime                             | Steel: Versico Insultite with HPV Insulation Fastening Plate<br>Concrete: Note 2   | 1 per 1.8 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -52.5                        |

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

| System No. | Deck<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                    |  |              |
| SC-173     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete         | Min. 1.5-inch thick, one or more layers, any combination, loose laid      | Min 19/32-inch APA rated plywood                   | Note 2   | 1 per 1.9 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -52.5        |
| SC-174     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. 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> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -60.0        |
| SC-175     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, two (2) #12 HWH Tekes 5, 6" o.c. 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: Versico Insultite with SecurFast Insulation Fastening Plate<br>Concrete: MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with SecurFast Insulation Fastening Plate | 1 per 1.0 ft <sup>2</sup> | VersiFleece TPO / DASH DT or Flexible DASH DT (FULL)                       | -60.0        |
| SC-176     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or structural concrete                        | Min. 1.5-inch VersiCore, HP-N or HP-W, SecurShield, ENRGY 3 or AC Foam II | Min. 0.5-inch SecurShield HD Plus or DuraStorm VSH | Note 2   | 1 per 1.8 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)                 | -60.0        |
| SC-177     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete         | Min. 1.5-inch VersiCore, SecurShield                                      | Min. 0.5-inch DensDeck Prime                       | Steel: Versico Insultite with HPV Insulation Fastening Plate<br>Concrete: Note 2   | 1 per 1.8 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -67.5        |
| SC-178     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete         | (Optional) One or more layers, any combination, loose laid                | Min 2.0-inch VersiCore, SecurShield                | Note 2   | 1 per 1.6 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)                 | -75.0        |
| SC-179     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete         | (Optional) One or more layers, any combination, loose laid                | Min. 2.0-inch SecurShield HD Composite             | Note 2   | 1 per 1.6 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)                 | -75.0        |
| SC-180     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete         | Min. 1.5-inch VersiCore, SecurShield                                      | Min. 0.5-inch DensDeck Prime                       | Steel: Versico Insultite with HPV Insulation Fastening Plate<br>Concrete: Note 2   | 1 per 1.6 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -75.0        |
| SC-181     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete         | Min. 1.5-inch thick, one or more layers, any combination, loose laid      | Min 19/32-inch APA rated plywood                   | Note 2   | 1 per 1.9 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)                 | -75.0        |
| SC-182     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. 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> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)                 | -82.5        |

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

| System No. | Deck<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                                       |  |              |
| SC-183     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete         | Min. 1.5-inch thick, one or more layers, any combination, loose laid                             | Min 19/32-inch APA rated plywood                   | Note 2  | 1 per 1.9 ft <sup>2</sup><br>(Verisco A-27F) | VersiFleece TPO / Aqua Base 120, HydroBond WB              | -82.5        |
| SC-184     | Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid                             | 0.5-inch DuraStorm VSH                             | Steel: Insultite and and HPV Insulation Fastening Plate or SecurFast Insulation Fastening Plate<br>Concrete: Note 2 | 1 per 1.0 ft <sup>2</sup>                    | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) | -82.5        |
| SC-185     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete         | Min. 1.5-inch thick, one or more layers, any combination, loose laid                             | Min. 2.0-inch SecurShield HD Composite             | Note 2  | 1 per 1.0 ft <sup>2</sup>                    | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) | -112.5       |
| SC-186     | Min. 20 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. 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>                    | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) | -112.5       |
| SC-187     | Min. 18 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. 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>                    | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) | -112.5       |
| SC-188     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or structural concrete                        | Min. 1.5-inch VersiCore, HP-N or HP-W, SecurShield, ENRGY 3 or AC Foam II                        | Min. 0.5-inch SecurShield HD Plus or DuraStorm VSH | Note 2  | 1 per 1.3 ft <sup>2</sup>                    | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) | -112.5       |
| SC-189     | Min. 22 ga., type B, Grade 80 steel; 6 ft span, two (2) #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete | (Optional) Min. 1-inch VersiCore, SecurShield, ENRGY 3, Polyiso HP-N, AC Foam II or Polyiso HP-W | Min. 2-inch SecurShield HD Composite               | Steel: Versico Insultite with HPV Insulation Fastening Plate<br>Concrete: Note 2                                    | 1 per 1.3 ft <sup>2</sup>                    | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) | -112.5       |
| SC-190     | Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) Tekes 5, 6" o.c. or min. 2,500 psi structural concrete         | Min. 1.5-inch VersiCore, SecurShield   | Min 0.5-inch DensDeck Prime                        | Steel: Versico Insultite with HPV Insulation Fastening Plate<br>Concrete: Note 2                                    | 1 per 1.0 ft <sup>2</sup>                    | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) | -127.5       |
| SC-191     | Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete | (Optional) Min. 1-inch VersiCore, SecurShield, ENRGY 3, Polyiso HP-N, AC Foam II or Polyiso HP-W | Min. 2-inch VersiCore or SecurShield               | Steel: Versico Insultite with HPV Insulation Fastening Plate<br>Concrete: Note 2                                    | 1 per 1.0 ft <sup>2</sup>                    | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) | -127.5       |
| SC-192     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete         | (Optional) One or more layers, any combination, loose laid                                       | Min 2-inch SecurShield                             | Note 2  | 1 per 1.0 ft <sup>2</sup>                    | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) | -135.0       |



**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                    |  |              |
| SC-193   | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete         | Min. 1.5-inch thick, one or more layers, any combination, loose laid                             | Min 19/32-inch APA rated plywood  | Note 2  | 1 per 1.0 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)               | -135.0       |
| SC-194   | Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. 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> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)               | -135.0       |
| SC-195   | Min. 22 ga., type B, Grade 80 steel; 6 ft span, two (2) #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid                             | 0.5-inch DuraStorm VSH  | Steel: Insultite and and HPV Insulation Fastening Plate or SecurFast Insulation Fastening Plate<br>Concrete: Note 2 | 1 per 1.0 ft <sup>2</sup> | VersiFleece TPO (min. 60-mil) / Flexible DASH or Flexible DASH DT (FULL) | -135.0       |
| SC-196   | Min. 22 ga., type B, Grade 80 steel; 6 ft span, two (2) #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | (Optional) Min. 1-inch VersiCore, SecurShield, ENRGY 3, Polyiso HP-N, AC Foam II or Polyiso HP-W | Min. 2.5-inch SecurShield HD Composite  | Steel: Versico Insultite with HPV Insulation Fastening Plate<br>Concrete: Note 2                                    | 1 per 1.0 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)               | -150.0       |
| SC-197   | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete         | (Optional) One or more layers, any combination, loose laid                                       | Min. 2.0-inch SecurShield HD Composite  | Note 2  | 1 per 1.0 ft <sup>2</sup> | VersiFleece TPO / Flexible DASH DT (FULL)                                | -157.5       |
| <b>VERSIWELD QA TPO MEMBRANE APPLICATIONS:</b> |  |  |   |   |                           |  |              |
| SC-198   | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete  | Min. 1.5-inch thick, one or more layers, any combination, loose laid                             | Min. 2-inch Insulfoam SP  | Note 2  | 1 per 2.0 ft <sup>2</sup> | VersiWeld QA TPO, self-adhered   | -45.0*       |
| SC-199   | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete  | Min. 1.5-inch thick, one or more layers, any combination, loose laid                             | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min 19/32-inch APA rated plywood | Note 2  | 1 per 2.0 ft <sup>2</sup> | VersiWeld QA TPO, self-adhered   | -45.0*       |
| SC-200   | 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 VersiCore, SecurShield  | Note 2  | 1 per 2.0 ft <sup>2</sup> | VersiWeld QA TPO, self-adhered   | -45.0*       |
| SC-201   | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. 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 VersiCore, SecurShield  | Note 2  | 1 per 1.6 ft <sup>2</sup> | VersiWeld QA TPO, self-adhered   | -60.0        |
| <b>VERSI FLEECE RL™ APPLICATIONS:</b>          |  |  |   |   |                           |  |              |

**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, 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, Note 11)</a>   | Attach                    |   |                              |
| SC-202     | 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 VersiCore RL      | Steel: Versico Insultite with HPV Insulation Fastening Plate or SecurFast Insulation Fastening Plate<br>Concrete: Note 2 | 1 per 4.0 ft <sup>2</sup> | VersiFleece RL™                         | -45.0*                       |
| SC-203     | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete                                   | Min., 1.5-inch VersiCore, SecurShield, loose-laid          | Min. 0.5-inch SecurShield HD RL | Steel: Versico Insultite with HPV Insulation Fastening Plate or SecurFast Insulation Fastening Plate<br>Concrete: Note 2 | 1 per 2.0 ft <sup>2</sup> | VersiFleece RL™                         | -45.0*                       |
| SC-204     | Min. 22 ga., type B, Grade 33 steel; 6 ft span, TEKS/5 screws 6" o.c. or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 2.0-inch VersiCore RL      | Steel: Versico Insultite with HPV Insulation Fastening Plate or SecurFast Insulation Fastening Plate<br>Concrete: Note 2 | 1 per 1.6 ft <sup>2</sup> | VersiFleece RL™                         | -75.0                        |

**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, Note 13)</a>           | Top Insulation Layer                           |  |                           | Roof Cover <a href="#">(Note 15)</a> |   | MDP<br><a href="#">(psf)</a> |
|--|--|--|--|--|---------------------------|--------------------------------------|---|------------------------------|
|  |  |  | Type   | Fastener <a href="#">(Note 2, Note 11)</a>                                       | Attach                    | Base Ply                             | Top Ply                                   |                              |
| <b>VERSIFLEECE AC TPO MEMBRANE APPLICATIONS:</b> |  |  |  |  |                           |                                      |   |                              |
| SC-205   | Min. 22 ga., type B, Grade 33 steel, 6 ft span, two (2) #12 HWH Tekes 5, 6" o.c. 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: Versico Insultite with HPV Insulation Fastening Plate<br>Concrete: Note 2 | 1 per 1.8 ft <sup>2</sup> | SureMB 90TG or 120TG / torch-applied | VersiFleece AC TPO / V-CAA or hot asphalt | -67.5                        |
| SC-206   | Min. 22 ga., type B, Grade 33 steel, 6 ft span, two (2) #12 HWH Tekes 5, 6" o.c. 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: Versico Insultite with HPV Insulation Fastening Plate<br>Concrete: Note 2 | 1 per 1.6 ft <sup>2</sup> | SureMB 90TG or 120TG / torch-applied | VersiFleece AC TPO / V-CAA or hot asphalt | -75.0                        |
| SC-207   | Min. 22 ga., type B, Grade 33 steel, 6 ft span, two (2) #12 HWH Tekes 5, 6" o.c. 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> | SureMB 90TG or 120TG / torch-applied | VersiFleece AC TPO / V-CAA or hot asphalt | -75.0                        |
| SC-208   | Min. 22 ga., type B, Grade 33 steel, 6 ft span, two (2) #12 HWH Tekes 5, 6" o.c. 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: Versico Insultite with HPV Insulation Fastening Plate<br>Concrete: Note 2 | 1 per 1.0 ft <sup>2</sup> | SureMB 90TG or 120TG / torch-applied | VersiFleece AC TPO / V-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>(psf) |
|----------------------------|--|---|---|--|--|--------------|
|                            |  |   | Fastener ( <a href="#">Note 11</a> )  | Density  |  |              |
| <b>RHINO BOND SYSTEMS:</b> |  |   |   |  |  |              |
| SC-209                     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c.   | Min. 1-inch thick, one or more layers, any combination. <a href="#">Note A.</a>   | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO) | 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 B</a> | VersiWeld or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.                  | -45.0        |
| SC-210                     | 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>   | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO) | 1 per 4.0 ft <sup>2</sup><br>(2 x 2 ft grid pattern)   | VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions. | -52.5        |
| SC-211                     | Min. 22 ga., type B, Grade 33 steel, 7 ft span, 5/8" puddle welds, 6" o.c. Side laps ITW HWH #12 Tekes 1, 24" o.c. | Min. 1-inch thick, one or more layers, any combination. <a href="#">Note C.</a>   | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO) | 1 per 4.0 ft <sup>2</sup><br>(2 x 2 ft grid pattern)   | VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions. | -52.5        |
| SC-212                     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c.   | Min. 1-inch thick, one or more layers, any combination. <a href="#">Note A.</a>   | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO) | 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;<br><a href="#">Note B</a> | VersiWeld or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.                  | -52.5        |
| SC-213                     | Min. 22 ga., type B, Grade 40 steel; 6 ft span; 5/8" puddle welds 6" o.c.  | Min. 1.5-inch thick, one or more layers, any combination                          | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO) | 1 per 4.0 ft <sup>2</sup><br>(2 x 2 ft grid pattern)   | VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions. | -52.5        |
| SC-214                     | Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tekes 5, 6" o.c.   | Min. 1.5-inch thick, one or more layers, any combination. <a href="#">Note C.</a> | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO                | 1 per 3.2 ft <sup>2</sup><br>(10 parts per 4 x 8 ft board)   | VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions. | -52.5        |
| SC-215                     | Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c.   | Min. 1-inch thick, one or more layers, any combination. <a href="#">Note A.</a>   | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO) | 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;<br><a href="#">Note B</a> | VersiWeld or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.                  | -60.0        |
| SC-216                     | Min. 22 ga., type B, Grade 33 steel; 6 ft span; #12 HWH Tekes 5, 6" o.c.   | Min. 1.5-inch thick, one or more layers, any combination. <a href="#">Note C.</a> | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO                | 1 per 2.7 ft <sup>2</sup><br>(12 parts per 4 x 8 ft board)   | VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions. | -67.5        |
| SC-217                     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, two (2) #12 HWH Tekes 5, 6" o.c.                                   | Min. 1.5-inch thick, one or more layers, any combination. <a href="#">Note C.</a> | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO) | 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                           | VersiWeld or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.                  | -97.5        |
| SC-218                     | Min. 22 ga., type B, Grade 80 steel; 6 ft span; #12 HWH Tekes 5, 6" o.c.   | Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached  | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO) | 12-inch o.c. in rows 60-inch o.c.  | VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions. | -45.0        |

**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-219                                   | Min. 22 ga., type B, Grade 80 steel; 6 ft span; #12 HWH Tek 5, 6" o.c.   | Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO) | 6-inch o.c. in rows 120-inch o.c.  | VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions. | -52.5        |
| SC-220                                   | Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tek 5, 6" o.c.   | Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO) | 6-inch o.c. in rows 60-inch o.c.   | VersiWeld or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.                  | -67.5        |
| <b>ISOWELD INDUCTION WELDING SYSTEM:</b> |  |  |   |  |  |              |
| SC-221                                   | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c.   | Min. 1-inch thick, one or more layers, any combination. <a href="#">Note A.</a>  | Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or 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 B</a> | VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.                         | -45.0        |
| SC-222                                   | 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 Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate                          | 1 per 4.0 ft <sup>2</sup><br>(2 x 2 ft grid pattern)   | VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.        | -52.5        |
| SC-223                                   | 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 Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate                          | 1 per 4.0 ft <sup>2</sup><br>(2 x 2 ft grid pattern)   | VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.        | -52.5        |
| SC-224                                   | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c.   | Min. 1-inch thick, one or more layers, any combination. <a href="#">Note A.</a>  | Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or 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;<br><a href="#">Note B</a> | VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.                         | -52.5        |
| SC-225                                   | Min. 22 ga., type B, Grade 40 steel; 6 ft span; 5/8" puddle welds 6" o.c.  | Min. 1.5-inch thick, one or more layers, any combination                         | Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate                          | 1 per 4.0 ft <sup>2</sup><br>(2 x 2 ft grid pattern)   | VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.        | -52.5        |
| SC-226                                   | Min. 22 ga., type B, Grade 40 steel; 6 ft span, 5/8" puddle welds or #12 HWH Tek 5, 6" o.c.                      | One or more layers, any combination, min. 1.5-inch                               | Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate                          | 1 per 6 ft <sup>2</sup><br>2x3-ft grid, staggered  | VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.                         | -52.5        |
| SC-227                                   | Min. 22 ga., type B, Grade 80 steel; 6 ft span, 5/8" puddle welds or #12 HWH Tek 5, 6" o.c.                      | One or more layers, any combination, min. 1.5-inch                               | Verisco Insultite or SFS Dekfast DF-#12-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate | 1 per 6 ft <sup>2</sup><br>2x3-ft grid, staggered  | VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.                         | -52.5        |
| SC-228                                   | Min. 22 ga., type B, Grade 40 steel; 6 ft span, 5/8" puddle welds or #12 HWH Tek 5, 6" o.c.                      | One or more layers, any combination, min. 1.5-inch                               | Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate                          | 1 per 4.0 ft <sup>2</sup><br>2x2-ft grid, staggered  | VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.                         | -60.0        |

**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-229     | Min. 22 ga., type B, Grade 80 steel; 6 ft span, 5/8" puddle welds or #12 HWH Tek 5, 6" o.c.   | One or more layers, any combination, min. 1.5-inch                                | Verisco Insultite or SFS Dekfast DF-#12-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate    | 1 per 4.0 ft <sup>2</sup><br>2x2-ft grid, staggered  | VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.                  | -60.0        |
| SC-230     | Min. 22 ga., type B, Grade 40 steel; 6 ft span, 5/8" puddle welds or #12 HWH Tek 5, 6" o.c.   | One or more layers, any combination, min. 1.5-inch                                | Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate                             | 1 per 3.0 ft <sup>2</sup><br>1.5 x 2-ft grid, staggered  | VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.                  | -82.5        |
| SC-231     | Min. 22 ga., type B, Grade 80 steel; 6 ft span, 5/8" puddle welds or #12 HWH Tek 5, 6" o.c.   | One or more layers, any combination, min. 1.5-inch                                | Verisco Insultite or SFS Dekfast DF-#12-PH3 DP with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate | 1 per 3.0 ft <sup>2</sup><br>1.5 x 2-ft grid, staggered  | VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.                  | -82.5        |
| SC-232     | Min. 22 ga., type B, Grade 80 steel, 6 ft span, SD5-#12-HW5/16 Fastener with 3/4" washers, 6" o.c.  | Min. 1.5-inch thick, 4x8 ft dimension, one or more layers, any combination        | Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or 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) | VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.                  | -97.5        |
| SC-233     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, two (2) #12 HWH Tek 5, 6" o.c.  | Min. 1.5-inch thick, one or more layers, any combination. <a href="#">Note C.</a> | Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or 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                                   | VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.                  | -97.5        |
| SC-234     | Min. 22 ga., type B, Grade 80 steel; 6 ft span; #12 HWH Tek 5, 6" o.c.  | Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached  | Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate                             | 12-inch o.c. in rows 60-inch o.c.  | VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool. | -45.0        |
| SC-235     | Min. 22 ga., type B, Grade 40 steel; 6 ft span, 5/8" puddle welds or #12 HWH Tek 5, 6" o.c.   | One or more layers, any combination, min. 1.5-inch, preliminarily attached        | Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate                             | 6-inch o.c. in rows 60-inch o.c.   | VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.                  | -90.0        |
| SC-236     | Min. 22 ga., type B, Grade 80 steel; 6 ft span, 5/8" puddle welds or #12 HWH Tek 5, 6" o.c.   | One or more layers, any combination, min. 1.5-inch, preliminarily attached        | Verisco Insultite or SFS Dekfast DF-#12-PH3 DP with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate | 6-inch o.c. in rows 60-inch o.c.   | VersiWeld or VersiWeld Plus 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>             |  |                  |           |                 |                  | 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        |                           |
| <b>BARE-BACK MEMBRANE APPLICATIONS:</b> |   |  |                                 |   |  |                  |           |                 |                  |                           |
| SC-237                                  | 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 or min. 2,500 psi structural concrete | Min. 1-inch, one or more layers, any combination   | Prelim. attach                  | VersiWeld or VersiWeld Plus                       | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X 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-238                                  | Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete  | Min. 1.5-inch, one or more layers, any combination | Prelim. attach                  | VersiWeld or VersiWeld Plus                       | HPV-XL Fastener with HPV-XL Plate (steel only) or MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate   | 12-inch o.c.     | 5.5-inch  | 114.5-inch o.c. | 1.5-inch outside | -45.0                     |
| SC-239                                  | Min. 18 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete  | Min. 1.5-inch, one or more layers, any combination | Prelim. attach                  | VersiWeld or VersiWeld Plus                       | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X 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-240                                  | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete  | Min. 1.5-inch, one or more layers, any combination | Prelim. attach                  | VersiWeld or VersiWeld Plus                       | Trufast #15 EHD Fastener (steel only) or Trufast #14 HD (concrete only) or Trufast Fluted Concrete Nail (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-241                                  | 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 or min. 2,500 psi structural concrete | Min. 1-inch, one or more layers, any combination   | Prelim. attach                  | VersiWeld (min. nominal 60-mil) or VersiWeld Plus | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X 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-242                                  | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c.  | Min. 1.5-inch, one or more layers, any combination | Prelim. attach                  | VersiWeld or VersiWeld Plus                       | HPV-XL Fastener with HPV-XL Plate  | 12-inch o.c.     | 5.5-inch  | 90.5-inch o.c.  | 1.5-inch outside | -45.0                     |
| SC-243                                  | Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete  | Min. 1.5-inch, one or more layers, any combination | Prelim. attach                  | VersiWeld or VersiWeld Plus                       | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X 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-244                                  | 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                  | VersiWeld or VersiWeld Plus                       | Trufast #15 EHD Fastener (steel only) or Trufast Fluted Concrete Nail (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                     |

**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-245     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5 fasteners, 6" o.c. or min. 2,500 psi structural concrete  | Min. 1.5-inch, one or more layers, any combination | Prelim. attach                  | VersiWeld or VersiWeld Plus                       | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate  | 12-inch o.c.     | 5-inch    | 67-inch o.c.    | 1.5-inch outside | -45.0                     |
| SC-246     | 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 or min. 2,500 psi structural concrete | Min. 1-inch, one or more layers, any combination   | Prelim. attach                  | VersiWeld or VersiWeld Plus                       | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X 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                     |
| SC-247     | 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                  | VersiWeld (min. nominal 60-mil) or VersiWeld Plus | HPV-X Fastener with HPV-X Plate  | 6-inch o.c.      | 5.5-inch  | 138.5-inch o.c. | 1.5-inch outside | -52.5                     |
| SC-248     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete  | Min. 1.5-inch, one or more layers, any combination | Prelim. attach                  | VersiWeld or VersiWeld Plus                       | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X 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-249     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete  | Min. 1.5-inch, one or more layers, any combination | Prelim. attach                  | VersiWeld or VersiWeld Plus                       | Trufast #15 EHD Fastener (steel only) or Trufast Fluted Concrete Nail (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-250     | 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   | Prelim. attach                  | VersiWeld (min. nominal 60-mil) or VersiWeld Plus | HPV-XL Fastener with HPV-XL Plate  | 6-inch o.c.      | 5.5-inch  | 114.5-inch o.c. | 1.5-inch outside | -52.5                     |
| SC-251     | Min. 22 ga., type B, Grade 40 steel; 6 ft span; 5/8" puddle welds 6" o.c. or min. 2,500 psi structural concrete   | Min. 1.5-inch, one or more layers, any combination | Prelim. attach                  | VersiWeld (min. 60-mil) or VersiWeld Plus         | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate  | 6-inch o.c.      | 5.5-inch  | 114.5-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>             |  |                  |           |                 |                  | 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 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 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                  | VersiWeld or VersiWeld Plus                       | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X 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-253     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete  | Min. 1.5-inch, one or more layers, any combination  | Prelim. attach                  | VersiWeld or VersiWeld Plus                       | Trufast #15 EHD Fastener (steel only) or Trufast #14 HD (concrete only) or Trufast Fluted Concrete Nail (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-254     | 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 or min. 2,500 psi structural concrete | Min. 1-inch, one or more layers, any combination  | Prelim. attach                  | VersiWeld or VersiWeld Plus                       | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X 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-255     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete  | Min. 1.5-inch, one or more layers, any combination  | Prelim. attach                  | VersiWeld or VersiWeld Plus                       | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam) | 12-inch o.c.     | 5.5-inch  | 42.5-inch o.c.  | 1.5-inch outside | -52.5                     |
| SC-256     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete  | Min. 1.5-inch, one or more layers, any combination  | Prelim. attach                  | VersiWeld or VersiWeld Plus                       | Trufast #15 EHD Fastener (steel only) or Trufast #14 HD (concrete only) or Trufast Fluted Concrete Nail (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-257     | 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                  | VersiWeld (min. 60-mil) or VersiWeld Plus         | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate  | 6-inch o.c.      | 5.5-inch  | 139.5-inch o.c. | 1.5-inch outside | -60.0                     |
| SC-258     | Min. 22 ga., type B, Grade 33 steel; 6 ft span, 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                  | VersiWeld (min. nominal 60-mil) or VersiWeld Plus | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate  | 6-inch o.c.      | 5.5-inch  | 138.5-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-259     | 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                  | VersiWeld or VersiWeld Plus           | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X 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-260     | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete  | Min. 1.5-inch, one or more layers, any combination           | Prelim. attach                  | VersiWeld or VersiWeld Plus           | HPV-XL Fastener with HPV-XL Plate (steel only) or MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate   | 6-inch o.c.      | 5.5-inch  | 138.5-inch o.c. | 1.5-inch outside | -60.0                     |
| SC-261     | Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete  | Min. 1.5-inch, one or more layers, any combination           | Prelim. attach                  | VersiWeld or VersiWeld Plus           | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X 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-262     | Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete  | Min. 1.5-inch, one or more layers, any combination           | Prelim. attach                  | VersiWeld or VersiWeld Plus           | Trufast #15 EHD Fastener (steel only) or Trufast Fluted Concrete Nail (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-263     | Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete  | Min. 1.5-inch, one or more layers, any combination           | Prelim. attach                  | VersiWeld or VersiWeld Plus           | Trufast #15 EHD Fastener (steel only) or Trufast Fluted Concrete Nail (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-264     | Recover only: Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete  | 3/8-inch Insulfoam R-Tech EPS or Fan-Fold                    | Prelim. attach                  | VersiWeld or VersiWeld Plus           | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam) | 6-inch o.c.      | 5.5-inch  | 90.5-inch o.c.  | 1.5-inch outside | -60.0                     |
| SC-265     | Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tekes 5, 6" o.c. or min. 2,500 psi structural concrete  | Min. 1.5-inch, one or more layers, any combination           | Prelim. attach                  | VersiWeld HS                          | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate  | 6-inch o.c.      | 5.5-inch  | 90.5-inch o.c.  | 1.5-inch outside | -60.0                     |
| SC-266     | 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                             | VersiWeld or VersiWeld Plus           | HPV-X Fastener (steel only) or MP 14-10 (concrete only) with HPV-X Plate (through to engage structural deck)   | 6-inch o.c.      | 5.5-inch  | 114.5-inch o.c. | 1.5-inch outside | -67.5                     |

**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> |  |                  |           |                |                  | 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-267                                | Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch, one or more layers, any combination | Prelim. attach                  | VersiWeld or VersiWeld Plus           | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X 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-268                                | Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch, one or more layers, any combination | Prelim. attach                  | VersiWeld or VersiWeld Plus           | Trufast #15 EHD Fastener (steel only) or Trufast Fluted Concrete Nail (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-269                                | Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch, one or more layers, any combination | Prelim. attach                  | VersiWeld or VersiWeld Plus           | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X 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-270                                | Min. 22 ga., type B, Grade 33 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch, one or more layers, any combination | Prelim. attach                  | VersiWeld or VersiWeld Plus           | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X 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-271                                | Min. 22 ga., type B, Grade 33 steel, 5 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch, one or more layers, any combination | Prelim. attach                  | VersiWeld or VersiWeld Plus           | Trufast #15 EHD Fastener (steel only) or Trufast Fluted Concrete Nail (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-272                                | Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch, one or more layers, any combination | Prelim. attach                  | VersiWeld or VersiWeld Plus           | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X 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-273                                | Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch, one or more layers, any combination | Prelim. attach                  | VersiWeld or VersiWeld Plus           | Trufast #15 EHD Fastener (steel only), Trufast #14 HD (concrete only) or Trufast Fluted Concrete Nail (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>VERSI FLEECE TPO APPLICATIONS:</b> |  |  |                                 |                                       |  |                  |           |                |                  |                           |
| SC-274                                | Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch, one or more layers, any combination | Prelim. attach                  | VersiFleece TPO                       | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam) | 6-inch o.c.      | 5.5-inch  | 90.5-inch o.c. | 1.5-inch outside | -60.0                     |

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

| System No. | Deck   | Insulation <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>  | Attachment   |                           |
| SC-275     | Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination          | Prelim. attached                | VersiWeld, VersiWeld HS or VersiWeld Plus | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate | VersiWeld TPO 10-inch Pressure-Sensitive 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-276     | Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination          | Prelim. attached                | VersiWeld, VersiWeld HS or VersiWeld Plus | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate | VersiWeld TPO 10-inch Pressure-Sensitive 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-277     | Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination          | Prelim. attached                | VersiWeld, VersiWeld HS or VersiWeld Plus | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate | VersiWeld TPO 10-inch Pressure-Sensitive 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-278     | Min. 22 ga., type B, Grade 80 steel, 6 ft span, #12 HWH Tek 5, 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination          | Prelim. attached                | VersiWeld, VersiWeld HS or VersiWeld Plus | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) with HPV-X Plate | VersiWeld TPO 10-inch Pressure-Sensitive 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 2J: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE D-3: INSULATED, MECHANICALLY ATTACHED AND INDUCTION WELDED 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, Note 15B)</a> |                                    |                  |                  |           |                 |                  |                          |   | MDP <a href="#">(psf)</a>            |                       |
|------------|--|--|---------------------------------|---|------------------------------------|------------------|------------------|-----------|-----------------|------------------|--------------------------|---|--------------------------------------|-----------------------|
|            |  | Type   | Attach <a href="#">(Note 5)</a> | Membrane  | Fastener <a href="#">(Note 11)</a> | In-Lap Fastening |                  |           |                 |                  | Induction Weld Fastening |   |                                      |                       |
|            |  |  |                                 |   |                                    | Stress Plate     | Fastener Spacing | Lap Width | Lap Spacing     | Seam Weld        | Stress Plate             | Spacing   |                                      | Roof Cover Securement |
| SC-279     | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5, 6" o.c. | Min. 1.5-inch, one or more layers, any combination | Prelim. attach                  | VersiWeld (min. 60-mil) or VersiWeld Plus       | HPV-X Fastener                     | HPV-X Plate      | 12-inch o.c.     | 5.5-inch  | 114.5-inch o.c. | 1.5-inch outside | RhinoBond Plate-TPO      | One (1) row beneath the roof cover and between the laps, 12-inch o.c. | induction welded with RhinoBond tool | -45.0                 |

FBC HVHZ

**TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**  
 REFER TO [NOTE 15](#) 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>    | Membrane                             | Application      |                               |
| <b>VERSIWELD OR VERSIWELD HS MEMBRANE APPLICATIONS:</b> |                                    |   |  |   |  |                                      |                  |                               |
| C-1.  | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (RIBBON) | (Optional) Additional layer(s) base insulation  | Flexible DASH or Flexible DASH DT (RIBBON) | VersiWeld                            | Aqua Base 120 BA | -45.0                         |
| C-2.  | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | 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) | VersiWeld                            | Aqua Base 120 BA | -45.0                         |
| C-3.  | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | 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) | VersiWeld                            | Aqua Base 120 BA | -157.5                        |
| C-4.  | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX            | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min 19/32-inch APA rated plywood                | Flexible DASH or Flexible DASH DT (RIBBON) | VersiWeld                            | Aqua Base 120 BA | -45.0                         |
| C-5.  | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 2-inch DuraFaceR (plywood top)             | Flexible DASH or Flexible DASH DT (RIBBON) | VersiWeld                            | Aqua Base 120 BA | -45.0                         |
| C-6.  | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (RIBBON) | (Optional) Additional layer(s) base insulation  | Flexible DASH or Flexible DASH DT (RIBBON) | VersiWeld                            | Cav-Grip 3V A/P  | -157.5                        |
| C-7.  | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield  | Flexible DASH (RIBBON)                     | (Optional) Additional layer(s) base insulation  | Flexible DASH (RIBBON)                     | VersiWeld                            | Cav-Grip 3V A/P  | -352.5                        |
| C-8.  | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield  | Flexible DASH DT (RIBBON)                  | (Optional) Additional layer(s) base insulation  | Flexible DASH DT (RIBBON)                  | VersiWeld                            | Cav-Grip 3V A/P  | -277.5                        |
| C-9.  | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield  | Flexible DASH DT (FULL)                    | (Optional) Additional layer(s) base insulation  | Flexible DASH DT (FULL)                    | VersiWeld                            | Cav-Grip 3V A/P  | -352.5                        |
| C-10.   | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | 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) | VersiWeld                            | Cav-Grip 3V A/P  | -157.5                        |
| C-11.   | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | 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) | VersiWeld                            | Cav-Grip 3V A/P  | -232.5                        |

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

| System No. | Deck<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-12.      | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | 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) | VersiWeld                              | Cav-Grip 3V A/P | -157.5        |
| C-13.      | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min 19/32-inch APA rated plywood                                   | Flexible DASH or Flexible DASH DT (RIBBON) | VersiWeld                              | Cav-Grip 3V A/P | -157.5        |
| C-14.      | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX            | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min 19/32-inch APA rated plywood                                   | Flexible DASH or Flexible DASH DT (RIBBON) | VersiWeld                              | Cav-Grip 3V A/P | -187.5        |
| C-15.      | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD  | Flexible DASH DT (RIBBON)                  | <u>Insulation:</u> Min. 1.6-inch Optim-R<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD  | Flexible DASH DT (RIBBON)                  | VersiWeld                              | Cav-Grip 3V A/P | -127.5        |
| C-16.      | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD  | Flexible DASH DT (FULL)                    | <u>Insulation:</u> Min. 1.6-inch Optim-R<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD  | Flexible DASH DT (FULL)                    | VersiWeld                              | Cav-Grip 3V A/P | -397.5        |
| C-17.      | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiWeld                              | Cav-Grip 3V A/P | -157.5        |
| C-18.      | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH (RIBBON)                     | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH (RIBBON)                     | VersiWeld                              | Cav-Grip 3V A/P | -397.5        |
| C-19.      | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH DT (RIBBON)                  | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH DT (RIBBON)                  | VersiWeld                              | Cav-Grip 3V A/P | -277.5        |
| C-20.      | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH DT (FULL)                    | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH DT (FULL)                    | VersiWeld                              | Cav-Grip 3V A/P | -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 15](#) 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-21.      | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield                             | Flexible DASH or Flexible DASH DT (SPLATTER) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (SPLATTER) | VersiWeld                              | Cav-Grip 3V A/P | -390.0        |
| C-22.      | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (RIBBON)   | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH  | Flexible DASH or Flexible DASH DT (RIBBON)   | VersiWeld                              | Cav-Grip 3V A/P | -157.5        |
| C-23.      | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH (RIBBON)                       | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH  | Flexible DASH (RIBBON)                       | VersiWeld                              | Cav-Grip 3V A/P | -352.5        |
| C-24.      | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH DT (RIBBON)                    | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH  | Flexible DASH DT (RIBBON)                    | VersiWeld                              | Cav-Grip 3V A/P | -277.5        |
| C-25.      | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH DT (FULL)                      | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH  | Flexible DASH DT (FULL)                      | VersiWeld                              | Cav-Grip 3V A/P | -352.5        |
| C-26.      | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (RIBBON)   | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 2-inch DuraFaceR (plywood top)                                | Flexible DASH or Flexible DASH DT (RIBBON)   | VersiWeld                              | Cav-Grip 3V A/P | -157.5        |
| C-27.      | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH or Flexible DASH DT (RIBBON)   | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 2-inch DuraFaceR (plywood top)                                | Flexible DASH or Flexible DASH DT (RIBBON)   | VersiWeld                              | Cav-Grip 3V A/P | -187.5        |
| C-28.      | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (RIBBON)   | (Optional) Additional layer(s) base insulation   | Flexible DASH or Flexible DASH DT (RIBBON)   | VersiWeld                              | LVOC BA         | -157.5        |
| C-29.      | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | 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)   | VersiWeld                              | 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 15](#) 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-30.      | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | 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)   | VersiWeld                              | LVOC BA     | -127.5        |
| C-31.      | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX            | Flexible DASH or Flexible DASH DT (RIBBON)   | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min 19/32-inch APA rated plywood                                   | Flexible DASH or Flexible DASH DT (RIBBON)   | VersiWeld                              | LVOC BA     | -157.5        |
| C-32.      | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD  | Flexible DASH DT (RIBBON)                    | <u>Insulation:</u> Min. 1.6-inch Optim-R<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD  | Flexible DASH DT (RIBBON)                    | VersiWeld                              | LVOC BA     | -127.5        |
| C-33.      | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD  | Flexible DASH DT (FULL)                      | <u>Insulation:</u> Min. 1.6-inch Optim-R<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD  | Flexible DASH DT (FULL)                      | VersiWeld                              | LVOC BA     | -397.5        |
| C-34.      | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (RIBBON)   | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON)   | VersiWeld                              | LVOC BA     | -157.5        |
| C-35.      | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH (RIBBON)                       | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH (RIBBON)                       | VersiWeld                              | LVOC BA     | -397.5        |
| C-36.      | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH DT (RIBBON)                    | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH DT (RIBBON)                    | VersiWeld                              | LVOC BA     | -277.5        |
| C-37.      | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH DT (FULL)                      | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH DT (FULL)                      | VersiWeld                              | LVOC BA     | -397.5        |
| C-38.      | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield                             | Flexible DASH or Flexible DASH DT (SPLATTER) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (SPLATTER) | VersiWeld                              | LVOC BA     | -390.0        |



**TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**  
 REFER TO [NOTE 15](#) 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-39.      | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH         | Flexible DASH or Flexible DASH DT (RIBBON) | VersiWeld                              | LVOC BA      | -157.5        |
| C-40.      | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH (RIBBON)                     | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH         | Flexible DASH (RIBBON)                     | VersiWeld                              | LVOC BA      | -352.5        |
| C-41.      | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH DT (RIBBON)                  | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH         | Flexible DASH DT (RIBBON)                  | VersiWeld                              | LVOC BA      | -277.5        |
| C-42.      | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH DT (FULL)                    | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH         | Flexible DASH DT (FULL)                    | VersiWeld                              | LVOC BA      | -352.5        |
| C-43.      | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 2-inch DuraFaceR (plywood top) | Flexible DASH or Flexible DASH DT (RIBBON) | VersiWeld                              | LVOC BA      | -157.5        |
| C-44.      | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (RIBBON) | (Optional) Additional layer(s) base insulation  | Flexible DASH or Flexible DASH DT (RIBBON) | VersiWeld                              | VersiWeld BA | -157.5        |
| C-45.      | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield  | Flexible DASH (RIBBON)                     | (Optional) Additional layer(s) base insulation  | Flexible DASH (RIBBON)                     | VersiWeld                              | VersiWeld BA | -352.5        |
| C-46.      | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield  | Flexible DASH DT (RIBBON)                  | (Optional) Additional layer(s) base insulation  | Flexible DASH DT (RIBBON)                  | VersiWeld                              | VersiWeld BA | -277.5        |
| C-47.      | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield  | Flexible DASH DT (FULL)                    | (Optional) Additional layer(s) base insulation  | Flexible DASH (FULL)                       | VersiWeld                              | VersiWeld BA | -352.5        |
| C-48.      | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | 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) | VersiWeld                              | VersiWeld BA | -157.5        |
| C-49.      | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | 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) | VersiWeld                              | VersiWeld BA | -232.5        |

**TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**  
 REFER TO [NOTE 15](#) 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-50.      | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH (RIBBON or SPLATTER)         | <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)                     | VersiWeld                              | VersiWeld BA | -67.5         |
| C-51.      | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX                         | 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) | VersiWeld                              | VersiWeld BA | -157.5        |
| C-52.      | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min 19/32-inch APA rated plywood                                   | Flexible DASH or Flexible DASH DT (RIBBON) | VersiWeld                              | VersiWeld BA | -157.5        |
| C-53.      | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX                                    | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min 19/32-inch APA rated plywood                                   | Flexible DASH or Flexible DASH DT (RIBBON) | VersiWeld                              | VersiWeld BA | -187.5        |
| C-54.      | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD  | Flexible DASH DT (RIBBON)                  | <u>Insulation:</u> Min. 1.6-inch Optim-R<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD  | Flexible DASH DT (RIBBON)                  | VersiWeld                              | VersiWeld BA | -127.5        |
| C-55.      | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD  | Flexible DASH DT (FULL)                    | <u>Insulation:</u> Min. 1.6-inch Optim-R<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD  | Flexible DASH DT (FULL)                    | VersiWeld                              | VersiWeld BA | -397.5        |
| C-56.      | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiWeld                              | VersiWeld BA | -157.5        |
| C-57.      | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX                         | Flexible DASH (RIBBON)                     | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH (RIBBON)                     | VersiWeld                              | VersiWeld BA | -397.5        |
| C-58.      | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX                         | Flexible DASH DT (RIBBON)                  | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH DT (RIBBON)                  | VersiWeld                              | VersiWeld BA | -277.5        |

**TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**  
 REFER TO [NOTE 15](#) 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-59.      | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH DT (FULL)                      | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH DT (FULL)                      | VersiWeld                              | VersiWeld BA                           | -397.5        |
| C-60.      | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield                             | Flexible DASH or Flexible DASH DT (SPLATTER) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (SPLATTER) | VersiWeld                              | VersiWeld BA                           | -390.0        |
| C-61.      | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (RIBBON)   | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH  | Flexible DASH or Flexible DASH DT (RIBBON)   | VersiWeld                              | VersiWeld BA                           | -157.5        |
| C-62.      | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH (RIBBON)                       | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH  | Flexible DASH (RIBBON)                       | VersiWeld                              | VersiWeld BA                           | -352.5        |
| C-63.      | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH DT (RIBBON)                    | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH  | Flexible DASH DT (RIBBON)                    | VersiWeld                              | VersiWeld BA                           | -277.5        |
| C-64.      | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH DT (FULL)                      | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH  | Flexible DASH DT (FULL)                      | VersiWeld                              | VersiWeld BA                           | -352.5        |
| C-65.      | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (RIBBON)   | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 2-inch DuraFaceR (plywood top)                                | Flexible DASH or Flexible DASH DT (RIBBON)   | VersiWeld                              | VersiWeld BA                           | -157.5        |
| C-66.      | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH or Flexible DASH DT (RIBBON)   | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 2-inch DuraFaceR (plywood top)                                | Flexible DASH or Flexible DASH DT (RIBBON)   | VersiWeld                              | VersiWeld BA                           | -187.5        |
| C-67.      | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield  | OB500  | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board                    | OB500  | VersiWeld                              | Cav-Grip 3V A/P, VersiWeld BA, LVOC BA | -120.0        |

**TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**  
 REFER TO [NOTE 15](#) 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-68.  | Min. 2,500 psi structural concrete | Min. 1.5-inch ACFoam II, VersiCore, SecurShield, ENRGY 3                    | OB500                                      | (Optional) Additional layers of base insulation  | OB500                                      | VersiWeld                              | Aqua Base 120  | -127.5        |
| C-69.  | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch ACFoam II, VersiCore, SecurShield, 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                                      | VersiWeld                              | Aqua Base 120  | -127.5        |
| C-70.  | Min. 2,500 psi structural concrete | Min. 1.5-inch ACFoam II, VersiCore, SecurShield, ENRGY 3                    | OB500                                      | (Optional) Additional layers of base insulation  | OB500                                      | VersiWeld                              | VersiWeld BA   | -150.0        |
| C-71.  | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield  | OB500                                      | (Optional) Additional layers of base insulation  | OB500                                      | VersiWeld                              | Cav-Grip 3V A/P  | -150.0        |
| C-72.  | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch ACFoam II, VersiCore, SecurShield, 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                                      | VersiWeld                              | VersiWeld BA   | -150.0        |
| C-73.  | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch ACFoam II, VersiCore, SecurShield, ENRGY 3         | OB500                                      | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><u>Coverboard</u> : Min. 0.25-inch DensDeck Prime  | OB500                                      | VersiWeld                              | Cav-Grip 3V A/P  | -150.0        |
| C-74.  | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | OB500                                      | (Optional) Min. 0.5-inch base insulation   | OB500                                      | VersiWeld                              | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                 | -157.5        |
| C-75.  | Min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield  | OB500                                      | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><u>Coverboard</u> : Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board  | OB500                                      | VersiWeld                              | Cav-Grip 3V A/P, VersiWeld BA or Aqua Base 120           | -247.5        |
| <b>VERSIFLEECE TPO MEMBRANE APPLICATIONS (PARTIAL BOND):</b> |                                    |   |  |  |  |  |  |               |
| C-76.  | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (RIBBON) | (Optional) Additional layer(s) base insulation   | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                        | Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0         |
| C-77.  | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | 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 SecurShield HD or SecurShield HD Plus | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                        | Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0         |

**TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**  
 REFER TO [NOTE 15](#) 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-78.   | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH or Flexible DASH DT (RIBBON)   | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD or SecurShield HD Plus | Flexible DASH or Flexible DASH DT (RIBBON)   | VersiFleece TPO                        | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)  | -90.0         |
| C-79.   | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH or Flexible DASH DT (RIBBON)   | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH                         | Flexible DASH or Flexible DASH DT (RIBBON)   | VersiFleece TPO                        | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)  | -90.0         |
| C-80.   | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch VersiCore, SecurShield                             | Flexible DASH or Flexible DASH DT (RIBBON)   | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 1.5-inch SecurShield HD Composite              | Flexible DASH or Flexible DASH DT (RIBBON)   | VersiFleece TPO                        | Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0         |
| <b>VERSIFLEECE TPO MEMBRANE APPLICATIONS (FULL BOND):</b> |                                    |   |  |   |  |  |  |               |
| C-81.   | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (RIBBON)   | (Optional) Additional layer(s) base insulation  | Flexible DASH or Flexible DASH DT (RIBBON)   | VersiFleece TPO                        | Flexible DASH (FULL)                                     | -157.5        |
| C-82.   | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield  | Flexible DASH (RIBBON)                       | (Optional) Additional layer(s) base insulation  | Flexible DASH (RIBBON)                       | VersiFleece TPO                        | Flexible DASH (FULL)                                     | -397.5        |
| C-83.   | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield  | Flexible DASH DT (RIBBON)                    | (Optional) Additional layer(s) base insulation  | Flexible DASH DT (RIBBON)                    | VersiFleece TPO                        | Flexible DASH (FULL)                                     | -277.5        |
| C-84.   | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield  | Flexible DASH DT (FULL)                      | (Optional) Additional layer(s) base insulation  | Flexible DASH DT (FULL)                      | VersiFleece TPO                        | Flexible DASH (FULL)                                     | -397.5        |
| C-85.   | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (SPLATTER) | (Optional) Additional layer(s) base insulation  | Flexible DASH or Flexible DASH DT (SPLATTER) | VersiFleece TPO                        | Flexible DASH (FULL)                                     | -390.0        |
| C-86.   | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | 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)   | VersiFleece TPO                        | Flexible DASH (FULL)                                     | -157.5        |
| C-87.   | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | 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)                       | VersiFleece TPO                        | Flexible DASH (FULL)                                     | -397.5        |
| C-88.   | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | 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)                    | VersiFleece TPO                        | Flexible DASH (FULL)                                     | -277.5        |

**TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**  
 REFER TO [NOTE 15](#) 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>      | Membrane                             | Application          |                               |
| C-89.      | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | 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)                      | VersiFleece TPO                      | Flexible DASH (FULL) | -397.5                        |
| C-90.      | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield                             | 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) | VersiFleece TPO                      | Flexible DASH (FULL) | -390.0                        |
| C-91.      | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | 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)   | VersiFleece TPO                      | Flexible DASH (FULL) | -127.5                        |
| C-92.      | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (RIBBON)   | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min 19/32-inch APA rated plywood                                   | Flexible DASH or Flexible DASH DT (RIBBON)   | VersiFleece TPO                      | Flexible DASH (FULL) | -157.5                        |
| C-93.      | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX            | Flexible DASH (RIBBON)                       | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min 19/32-inch APA rated plywood                                   | Flexible DASH (RIBBON)                       | VersiFleece TPO                      | Flexible DASH (FULL) | -397.5                        |
| C-94.      | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX            | Flexible DASH DT (RIBBON)                    | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min 19/32-inch APA rated plywood                                   | Flexible DASH DT (RIBBON)                    | VersiFleece TPO                      | Flexible DASH (FULL) | -277.5                        |
| C-95.      | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX            | Flexible DASH DT (FULL)                      | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min 19/32-inch APA rated plywood                                   | Flexible DASH DT (FULL)                      | VersiFleece TPO                      | Flexible DASH (FULL) | -397.5                        |
| C-96.      | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (SPLATTER) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min 19/32-inch APA rated plywood                                   | Flexible DASH or Flexible DASH DT (SPLATTER) | VersiFleece TPO                      | Flexible DASH (FULL) | -390.0                        |
| C-97.      | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD  | Flexible DASH DT (RIBBON)                    | <u>Insulation:</u> Min. 1.6-inch Optim-R<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD  | Flexible DASH DT (RIBBON)                    | VersiFleece TPO                      | Flexible DASH (FULL) | -127.5                        |
| C-98.      | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD  | Flexible DASH DT (FULL)                      | <u>Insulation:</u> Min. 1.6-inch Optim-R<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD  | Flexible DASH DT (FULL)                      | VersiFleece TPO                      | Flexible DASH (FULL) | -390.0                        |
| C-99.      | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH or Flexible DASH DT (RIBBON)   | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON)   | VersiFleece TPO                      | Flexible DASH (FULL) | -157.5                        |

**TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**  
 REFER TO [NOTE 15](#) 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-100.     | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH            | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                        | Flexible DASH (FULL)    | -157.5        |
| C-101.     | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH (RIBBON)                     | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH            | Flexible DASH (RIBBON)                     | VersiFleece TPO                        | Flexible DASH (FULL)    | -352.5        |
| C-102.     | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH DT (RIBBON)                  | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH            | Flexible DASH DT (RIBBON)                  | VersiFleece TPO                        | Flexible DASH (FULL)    | -277.5        |
| C-103.     | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH DT (FULL)                    | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH            | Flexible DASH DT (FULL)                    | VersiFleece TPO                        | Flexible DASH (FULL)    | -352.5        |
| C-104.     | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 1.5-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                        | Flexible DASH (FULL)    | -112.5        |
| C-105.     | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 2-inch DuraFaceR (plywood top)    | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                        | Flexible DASH (FULL)    | -157.5        |
| C-106.     | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 2-inch DuraFaceR (plywood top)    | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                        | Flexible DASH (FULL)    | -187.5        |
| C-107.     | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (RIBBON) | (Optional) Additional layer(s) base insulation   | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                        | Flexible DASH DT (FULL) | -157.5        |
| C-108.     | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield  | Flexible DASH (RIBBON)                     | (Optional) Additional layer(s) base insulation   | Flexible DASH (RIBBON)                     | VersiFleece TPO                        | Flexible DASH DT (FULL) | -397.5        |
| C-109.     | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield  | Flexible DASH DT (RIBBON)                  | (Optional) Additional layer(s) base insulation   | Flexible DASH DT (RIBBON)                  | VersiFleece TPO                        | Flexible DASH DT (FULL) | -277.5        |
| C-110.     | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield  | Flexible DASH DT (FULL)                    | (Optional) Additional layer(s) base insulation   | Flexible DASH DT (FULL)                    | VersiFleece TPO                        | 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 15](#) 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-111.     | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (SPLATTER) | (Optional) Additional layer(s) base insulation  | Flexible DASH or Flexible DASH DT (SPLATTER) | VersiFleece TPO                        | Flexible DASH DT (FULL) | -390.0        |
| C-112.     | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | 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)   | VersiFleece TPO                        | Flexible DASH DT (FULL) | -157.5        |
| C-113.     | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | 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)                       | VersiFleece TPO                        | Flexible DASH DT (FULL) | -397.5        |
| C-114.     | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | 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)                    | VersiFleece TPO                        | Flexible DASH DT (FULL) | -277.5        |
| C-115.     | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | 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)                      | VersiFleece TPO                        | Flexible DASH DT (FULL) | -397.5        |
| C-116.     | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield                             | 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) | VersiFleece TPO                        | Flexible DASH DT (FULL) | -390.0        |
| C-117.     | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | 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)   | VersiFleece TPO                        | Flexible DASH DT (FULL) | -157.5        |
| C-118.     | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | 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)   | VersiFleece TPO                        | Flexible DASH DT (FULL) | -187.5        |
| C-119.     | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (RIBBON)   | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min 19/32-inch APA rated plywood                | Flexible DASH or Flexible DASH DT (RIBBON)   | VersiFleece TPO                        | Flexible DASH DT (FULL) | -157.5        |
| C-120.     | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX            | Flexible DASH (RIBBON)                       | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min 19/32-inch APA rated plywood                | Flexible DASH (RIBBON)                       | VersiFleece TPO                        | 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 15](#) 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-121.     | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX            | Flexible DASH DT (RIBBON)                    | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min 19/32-inch APA rated plywood                                   | Flexible DASH DT (RIBBON)                    | VersiFleece TPO                        | Flexible DASH DT (FULL) | -277.5        |
| C-122.     | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX            | Flexible DASH DT (FULL)                      | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min 19/32-inch APA rated plywood                                   | Flexible DASH DT (FULL)                      | VersiFleece TPO                        | Flexible DASH DT (FULL) | -397.5        |
| C-123.     | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD  | Flexible DASH DT (RIBBON)                    | <u>Insulation:</u> Min. 1.6-inch Optim-R<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD  | Flexible DASH DT (RIBBON)                    | VersiFleece TPO                        | Flexible DASH DT (FULL) | -127.5        |
| C-124.     | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD  | Flexible DASH DT (FULL)                      | <u>Insulation:</u> Min. 1.6-inch Optim-R<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD  | Flexible DASH DT (FULL)                      | VersiFleece TPO                        | Flexible DASH DT (FULL) | -390.0        |
| C-125.     | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (RIBBON)   | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON)   | VersiFleece TPO                        | Flexible DASH DT (FULL) | -157.5        |
| C-126.     | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH (RIBBON)                       | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH (RIBBON)                       | VersiFleece TPO                        | Flexible DASH DT (FULL) | -397.5        |
| C-127.     | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH DT (RIBBON)                    | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH DT (RIBBON)                    | VersiFleece TPO                        | Flexible DASH DT (FULL) | -277.5        |
| C-128.     | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH DT (FULL)                      | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH DT (FULL)                      | VersiFleece TPO                        | Flexible DASH DT (FULL) | -397.5        |
| C-129.     | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield                             | Flexible DASH or Flexible DASH DT (SPLATTER) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (SPLATTER) | VersiFleece TPO                        | Flexible DASH DT (FULL) | -390.0        |
| C-130.     | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (RIBBON)   | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH  | Flexible DASH or Flexible DASH DT (RIBBON)   | VersiFleece TPO                        | Flexible DASH DT (FULL) | -157.5        |

**TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**  
 REFER TO [NOTE 15](#) 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-131.     | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH (RIBBON)                     | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH            | Flexible DASH (RIBBON)                     | VersiFleece TPO                        | Flexible DASH DT (FULL) | -352.5        |
| C-132.     | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH DT (RIBBON)                  | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH            | Flexible DASH DT (RIBBON)                  | VersiFleece TPO                        | Flexible DASH DT (FULL) | -277.5        |
| C-133.     | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH DT (FULL)                    | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH            | Flexible DASH DT (FULL)                    | VersiFleece TPO                        | Flexible DASH DT (FULL) | -352.5        |
| C-134.     | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 1.5-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                        | Flexible DASH DT (FULL) | -112.5        |
| C-135.     | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 2-inch DuraFaceR (plywood top)    | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                        | Flexible DASH DT (FULL) | -157.5        |
| C-136.     | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 2-inch DuraFaceR (plywood top)    | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                        | Flexible DASH DT (FULL) | -187.5        |
| C-137.     | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (RIBBON) | (Optional) Additional layer(s) base insulation   | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                        | HydroBond WB            | -157.5        |
| C-138.     | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield  | Flexible DASH (RIBBON)                     | (Optional) Additional layer(s) base insulation   | Flexible DASH (RIBBON)                     | VersiFleece TPO                        | HydroBond WB            | -280.0        |
| C-139.     | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield  | Flexible DASH DT (RIBBON)                  | (Optional) Additional layer(s) base insulation   | Flexible DASH DT (RIBBON)                  | VersiFleece TPO                        | HydroBond WB            | -277.5        |
| C-140.     | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield  | Flexible DASH DT (FULL)                    | (Optional) Additional layer(s) base insulation   | Flexible DASH DT (FULL)                    | VersiFleece TPO                        | HydroBond WB            | -280.0        |
| C-141.     | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | 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) | VersiFleece TPO                        | 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 15](#) 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-142.     | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | 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)   | VersiFleece TPO                        | HydroBond WB | -157.5        |
| C-143.     | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | 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)                       | VersiFleece TPO                        | HydroBond WB | -395.0        |
| C-144.     | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | 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)                    | VersiFleece TPO                        | HydroBond WB | -277.5        |
| C-145.     | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | 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)                      | VersiFleece TPO                        | HydroBond WB | -395.0        |
| C-146.     | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield                             | 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) | VersiFleece TPO                        | HydroBond WB | -390.0        |
| C-147.     | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD  | Flexible DASH DT (RIBBON)                    | <u>Insulation:</u> Min. 1.6-inch Optim-R<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD  | Flexible DASH DT (RIBBON)                    | VersiFleece TPO                        | HydroBond WB | -127.5        |
| C-148.     | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD  | Flexible DASH DT (FULL)                      | <u>Insulation:</u> Min. 1.6-inch Optim-R<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD  | Flexible DASH DT (FULL)                      | VersiFleece TPO                        | HydroBond WB | -397.5        |
| C-149.     | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX            | Flexible DASH or Flexible DASH DT (RIBBON)   | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON)   | VersiFleece TPO                        | HydroBond WB | -157.5        |
| C-150.     | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH (RIBBON)                       | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH (RIBBON)                       | VersiFleece TPO                        | HydroBond WB | -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 15](#) 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-151.   | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH DT (RIBBON)                    | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH DT (RIBBON)                    | VersiFleece TPO                        | HydroBond WB | -277.5        |
| C-152.   | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH DT (FULL)                      | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH DT (FULL)                      | VersiFleece TPO                        | HydroBond WB | -397.5        |
| C-153.   | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield                             | Flexible DASH or Flexible DASH DT (SPLATTER) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD or SecurShield HD Plus                | Flexible DASH or Flexible DASH DT (SPLATTER) | VersiFleece TPO                        | HydroBond WB | -390.0        |
| C-154.   | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (RIBBON)   | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH  | Flexible DASH or Flexible DASH DT (RIBBON)   | VersiFleece TPO                        | HydroBond WB | -157.5        |
| C-155.   | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH (RIBBON)                       | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH  | Flexible DASH (RIBBON)                       | VersiFleece TPO                        | HydroBond WB | -352.5        |
| C-156.   | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH DT (RIBBON)                    | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH  | Flexible DASH DT (RIBBON)                    | VersiFleece TPO                        | HydroBond WB | -277.5        |
| C-157.   | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH DT (FULL)                      | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH  | Flexible DASH DT (FULL)                      | VersiFleece TPO                        | HydroBond WB | -352.5        |
| C-158.   | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam IX | Flexible DASH or Flexible DASH DT (RIBBON)   | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 1.5-inch SecurShield HD Composite                             | Flexible DASH or Flexible DASH DT (RIBBON)   | VersiFleece TPO                        | HydroBond WB | -112.5        |
| <b>VERSIFLEECE AC TPO MEMBRANE APPLICATIONS:</b> |                                    |   |  |  |  |  |              |               |
| C-159.   | Min. 2,500 psi structural concrete | Min. 0.5-inch HP Recovery Board   | HA   | None   | HA   | VersiFleece AC TPO                     | 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 15](#) FOR VAPOR BARRIER OPTIONS

| System No.                                     | Deck <a href="#">(Note 1)</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>       | Membrane                             | Application  |                            |
| C-160.   | Min. 2,500 psi structural concrete | One or more layers min. 1.5-inch VersiCore, Polyiso HP-N, Polyiso HP-W, ACfoam II, SecurShield, ENRGY 3 or ISO 95+ GL | HA   | Insulation: (Optional) Additional layer(s) base insulation<br>Coverboard: Min. 0.5-inch HP Recovery Board | HA   | VersiFleece AC TPO                   | Hot Asphalt  | -150.0                     |
| <b>VERSIWELD QA TPO MEMBRANE APPLICATIONS:</b> |                                    |   |  |   |  |                                      |              |                            |
| C-161.   | Min. 2,500 psi structural concrete | (Optional) One or more layers, min. 1-inch Insulfoam IX   | Flexible DASH (FULL)                       | Insulation: (Optional) Additional layer(s) base insulation<br>Coverboard: Min. 2-inch Insulfoam SP        | Flexible DASH (FULL)                       | VersiWeld QA TPO                     | Self-adhered | -315.0                     |
| <b>VERSI FLEECE RL™ APPLICATIONS:</b>          |                                    |   |  |   |  |                                      |              |                            |
| C-162.   | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch VersiCore, SecurShield or min. 1-inch Insulfoam IX   | Flexible DASH or Flexible DASH DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation<br>Coverboard: Min. 2.0-inch VersiCore RL      | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece RL™                      |              | -142.5                     |

**TABLE 3B: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED BASE PLY, BONDED ROOF COVER**  
 REFER TO [NOTE 15](#) FOR VAPOR BARRIER OPTIONS

| System No.   | Deck <a href="#">(Note 1)</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>       | Base Ply                             | Top Ply  |                            |
| <b>VERSI FLEECE TPO MEMBRANE APPLICATIONS (FULL BOND):</b> |                                    |   |  |   |  |                                      |  |                            |
| C-163.   | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | Insulation: (Optional) Additional layer(s) 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 | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) | -165.0                     |
| <b>VERSI FLEECE AC TPO MEMBRANE APPLICATIONS:</b>          |                                    |   |  |   |  |                                      |  |                            |
| C-164.   | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch VersiCore, SecurShield | 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) | SureMB 90TG or 120TG / torch-applied | VersiFleece AC TPO / V-CAA or hot asphalt                  | -157.5                     |
| C-165.   | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation<br>Coverboard: Min. 0.25-inch DensDeck Prime                                     | Flexible DASH or Flexible DASH DT (RIBBON) | SureMB 90TG or 120TG / torch-applied | VersiFleece AC TPO / V-CAA or hot asphalt                  | -202.5                     |

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

| System No. | Deck <a href="#">(Note 1)</a>      | Base Insulation Layer  |                                      | Top Insulation Layer(s)   |                                      | Roof Cover <a href="#">(Note 15)</a> |   | MDP (psf)* |
|------------|------------------------------------|--|--------------------------------------|---|--------------------------------------|--------------------------------------|---|------------|
|            |                                    | Type   | Attach <a href="#">(Notes 6,7,8)</a> | Type  | Attach <a href="#">(Notes 6,7,8)</a> | Base Ply                             | Top Ply                                   |            |
| C-166.     | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield or min. 2-inch Insulfoam IX | 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 | VersiFleece AC TPO / V-CAA or hot asphalt | -105.0     |
| C-167.     | Min. 2,500 psi structural concrete | Min. 2-inch Insulfoam IX   | 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 | VersiFleece AC TPO / V-CAA or hot asphalt | -120.0     |
| C-168.     | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield                             | 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 | VersiFleece AC TPO / V-CAA or hot asphalt | -150.0     |
| C-169.     | Min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield                               | 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 | VersiFleece AC TPO / V-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 <a href="#">(Note 1)</a>      | Insulation Layer <a href="#">(Note 3, Note 13)</a>                                   | Attachment   |  | Roof Cover <a href="#">(Note 15B)</a>  | MDP (psf) |
|----------------------------|------------------------------------|--|--|--|--|-----------|
|                            |                                    |  | Fastener <a href="#">(Note 11)</a>   | Density  |  |           |
| <b>RHINO BOND SYSTEMS:</b> |                                    |  |  |  |  |           |
| C-170.                     | Min. 2,500 psi structural concrete | Min. 1-inch thick, one or more layers, any combination.                              | HD 14-10 or CD-10 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO) | 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> | VersiWeld or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.                  | -45.0     |
| C-171.                     | Min. 2,500 psi structural concrete | Min. 1-inch thick, one or more layers, any combination.                              | HD 14-10 or CD-10 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO) | 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;<br><a href="#">Note A</a> | VersiWeld or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.                  | -52.5     |
| C-172.                     | 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 with RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO                | 1 per 3.2 ft <sup>2</sup><br>(10 parts per 4 x 8 ft board)   | VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions. | -52.5     |

**TABLE 3c: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (Tear-Off) or RECOVER  
SYSTEM TYPE C-2: 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  |  |                              |
| C-173.                                   | Min. 2,500 psi structural concrete | Min. 1-inch thick, one or more layers, any combination.                              | HD 14-10 or CD-10 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO)                 | 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;<br><a href="#">Note A</a> | VersiWeld or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.                  | -60.0                        |
| C-174.                                   | 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 with RhinoBond Plate-TPO or RhinoBond TreadSafe Plate-TPO                                | 1 per 2.7 ft <sup>2</sup><br>(12 parts per 4 x 8 ft board)   | VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions. | -67.5                        |
| 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 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO)                 | 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                           | VersiWeld or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.                  | -97.5                        |
| C-176.                                   | 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 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO)                 | 12-inch o.c. in rows 60-inch o.c.  | VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions. | -45.0                        |
| C-177.                                   | 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 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO)                 | 6-inch o.c. in rows 120-inch o.c.  | VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions. | -52.5                        |
| C-178.                                   | 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 with RhinoBond Insulation Plate (TPO) or RhinoBond TreadSafe Plate (TPO)                 | 6-inch o.c. in rows 60-inch o.c.   | VersiWeld or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.                  | -67.5                        |
| <b>ISOWELD INDUCTION WELDING SYSTEM:</b> |                                    |  |  |  |  |                              |
| C-179.                                   | 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 Carlisle isoweld TPO Plate or 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> | VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.                         | -45.0                        |
| C-180.                                   | 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 Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate | 1 per 6 ft <sup>2</sup><br>2x3-ft grid, staggered  | VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.                         | -52.5                        |
| C-181.                                   | 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 Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate | 1 per 4.0 ft <sup>2</sup><br>2x2-ft grid, staggered  | VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.                         | -60.0                        |

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

| System No. | Deck (Note 1)  | Insulation Layer (Note 3, Note 13)  | Attachment   |  | Roof Cover (Note 15B)   | MDP (psf) |
|------------|--|---|--|--|---|-----------|
|            |  |   | Fastener (Note 11)   | Density  |   |           |
| C-182.     | 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 Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate | 1 per 3.0 ft <sup>2</sup><br>1.5 x 2-ft grid, staggered  | VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.                  | -82.5     |
| C-183.     | 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 Carlisle isoweld TPO Plate or 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) | VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.                  | -97.5     |
| C-184.     | 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 Carlisle isoweld TPO Plate or 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                                   | VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.                  | -97.5     |
| C-185.     | 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 Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate | 12-inch o.c. in rows 60-inch o.c.  | VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool. | -45.0     |
| C-186.     | 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 Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate | 6-inch o.c. in rows 60-inch o.c.   | VersiWeld or VersiWeld Plus 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 (Note 1)                      | Primer   | Roof Cover (Note 15) |   | MDP (psf)* |
|---|------------------------------------|--|----------------------|---|------------|
|   |                                    |  | Type                 | Attach  |            |
| <b>VERSIFLEECE TPO MEMBRANE APPLICATIONS (FULL BOND):</b> |                                    |  |                      |   |            |
| C-187.  | Min. 2,500 psi structural concrete | None   | VersiFleece TPO      | Flexible DASH or Flexible DASH DT (FULL)      | -495.0     |
| C-188.  | Min. 2,500 psi structural concrete | None   | VersiFleece TPO      | Flexible DASH DT (SPLATTER at 3.5-4.0 lbs/sq) | -722.5     |
| <b>VERSIFLEECE AC TPO MEMBRANE APPLICATIONS:</b>          |                                    |  |                      |   |            |
| C-189.  | Min. 2,500 psi structural concrete | None   | VersiFleece AC TPO   | Hot Asphalt                                   | -97.5      |
| C-190.  | Min. 2,500 psi structural concrete | CCW-702 or cut-back primer at 250-300 ft <sup>2</sup> /gal | VersiFleece AC TPO   | Hot Asphalt                                   | -495.0     |
| <b>VERSIWELD QA TPO MEMBRANE APPLICATIONS:</b>            |                                    |  |                      |   |            |
| C-191.  | Min. 2,500 psi structural concrete | None   | VersiWeld QA 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 <a href="#">(Notes 6,7,8)</a>                    | Type  | Attach <a href="#">(Notes 6,7,8)</a>                    |  |                               |
| <b>VERSIWELD OR VERSIWELD HS MEMBRANE APPLICATIONS:</b> |  |   |   |   |   |   |  |                               |
| LWC-1   | Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, #12 HWH TekS 5, 6" o.c. | Min. 300 psi, pre-existent cellular lightweight insulating concrete | Min. 1.5-inch VersiCore, SecurShield            | Flexible DASH or Flexible DASH DT (RIBBON)              | (Optional) Additional layer(s) of base insulation   | Flexible DASH or Flexible DASH DT (RIBBON)              | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -52.5                         |
| LWC-2   | Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, #12 HWH TekS 5, 6" o.c. | Min. 300 psi, pre-existent cellular lightweight insulating concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield | 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 SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 1.5-inch SecurShield HD Composite or min. 2-inch DuraFaceR (plywood top)    | Flexible DASH or Flexible DASH DT (RIBBON)              | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -52.5                         |
| LWC-3   | Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, #12 HWH TekS 5, 6" o.c. | Min. 300 psi, pre-existent cellular lightweight insulating concrete | Min. 1.5-inch VersiCore, SecurShield            | 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.) | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -75.0                         |
| LWC-4   | Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, #12 HWH TekS 5, 6" o.c. | Min. 300 psi, pre-existent cellular lightweight insulating concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield | 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 SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 1.5-inch SecurShield HD Composite or min. 2-inch DuraFaceR (plywood top)    | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld 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 VersiCore, SecurShield | 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 SecurShield HD, SecurShield HD Plus or DuraStorm VSH or or min. 1.5-inch SecurShield HD Composite or min. 2-inch DuraFaceR (plywood top) | Flexible DASH or Flexible DASH DT (RIBBON)              | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -187.5                        |

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

| System No.  | Deck <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-6   | Min. 2,500 psi structural concrete                                      | Min. 300 psi, pre-existent cellular lightweight insulating concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield | 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 SecurShield HD, SecurShield HD Plus or DuraStorm VSH or or min. 1.5-inch SecurShield HD Composite or min. 2-inch DuraFaceR (plywood top) | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                       | -350.0                     |
| <b>VERSIFLEECE TPO MEMBRANE APPLICATIONS (FULL BOND):</b> |   |   |   |   |   |   |  |                            |
| LWC-7   | Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, #12 HWH Tek 5, 6" o.c. | Min. 300 psi, pre-existent cellular lightweight insulating concrete | Min. 1.5-inch VersiCore, SecurShield            | Flexible DASH or Flexible DASH DT (RIBBON)              | (Optional) Additional layer(s) of base insulation   | Flexible DASH or Flexible DASH DT (RIBBON)              | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -52.5                      |
| LWC-8   | Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, #12 HWH Tek 5, 6" o.c. | Min. 300 psi, pre-existent cellular lightweight insulating concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield | 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 SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 1.5-inch SecurShield HD Composite or min. 2-inch DuraFaceR (plywood top)    | Flexible DASH or Flexible DASH DT (RIBBON)              | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -52.5                      |
| LWC-9   | Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, #12 HWH Tek 5, 6" o.c. | Min. 300 psi, pre-existent cellular lightweight insulating concrete | Min. 1.5-inch VersiCore, SecurShield            | 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.) | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -75.0                      |
| LWC-10  | Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, #12 HWH Tek 5, 6" o.c. | Min. 300 psi, pre-existent cellular lightweight insulating concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield | 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 SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 1.5-inch SecurShield HD Composite or min. 2-inch DuraFaceR (plywood top)    | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFleece TPO / 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 VersiCore, SecurShield            | Flexible DASH or Flexible DASH DT (RIBBON)              | (Optional) Additional layer(s) of base insulation   | Flexible DASH or Flexible DASH DT (RIBBON)              | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -187.5                     |

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

| System No. | Deck <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-12     | Min. 2,500 psi structural concrete | Min. 300 psi, pre-existent cellular lightweight insulating concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield | 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 SecurShield HD, SecurShield HD Plus or DuraStorm VSH or or min. 1.5-inch SecurShield HD Composite or min. 2-inch DuraFaceR (plywood top) | Flexible DASH or Flexible DASH DT (RIBBON)              | VersiFleece TPO / 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 VersiCore, SecurShield | 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)              | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)                 | -187.5                     |
| LWC-14     | Min. 2,500 psi structural concrete | Min. 300 psi, pre-existent cellular lightweight insulating concrete | Min. 1.5-inch VersiCore, SecurShield            | 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.) | VersiFleece TPO / 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 VersiCore, SecurShield | 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 SecurShield HD, SecurShield HD Plus or DuraStorm VSH or or min. 1.5-inch SecurShield HD Composite or min. 2-inch DuraFaceR (plywood top) | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFleece TPO / 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 VersiCore, SecurShield | 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.) | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)                 | -350.0                     |

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

| System No. | Deck <a href="#">(Note 1)</a>                                     | Lightweight Concrete <a href="#">(Note 15)</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 VersiCore, HP-N or HP-W, SecurShield, 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                          | VersiFleece AC TPO / 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 (psf)*              |
|---|--|---|--------------------------------------|--|---------------------------|--------------------------------------|---|-------------------------|
|   |  | Type  | Surface Treatment                    | Supplemental Attachment                      |                           | Type                                 | Attach  |                         |
|   |  |   |                                      | Fastener                                     | Attach                    |                                      |   |                         |
| <b>VERSIWELD OR VERSIWELD HS MEMBRANE APPLICATIONS:</b> |  |   |                                      |  |                           |                                      |   |                         |
| LWC-18  | Min. 22 ga., Type B, Grade 33 steel at max. 6 ft span attached 6-inch o.c.   | CELCORE (NOA 18-0717.05):<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).<br><a href="#">Note A.</a>  | None                                 | None   | N/A                       | VersiWeld                            | Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -60.0                   |
| LWC-19  | Min. 22 ga., Type B, Grade 33 steel at max. 4 ft span attached 6-inch o.c.   | CELCORE (NOA 18-0717.05):<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                       | VersiWeld                            | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                | -67.5                   |
| LWC-20  | Min. 22 ga., Type B, Grade 33 steel at max. 6 ft span attached 6-inch o.c.   | CELCORE (NOA 18-0717.05):<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).<br><a href="#">Note A.</a>  | None                                 | HPV Fastener with Insulation Fastening Plate | 1 per 9.0 ft <sup>2</sup> | VersiWeld                            | Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -67.5<br><i>Note B</i>  |
| LWC-21  | Min. 22 ga., Type BV, Grade 40 steel at max. 6 ft span; 5/8" puddle welds, 6-inch o.c.                               | CELCORE (NOA 18-0717.05):<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                       | VersiWeld                            | Cav-Grip 3V A/P   | -82.5                   |
| LWC-22  | Min. 22 ga., Type B, Grade 33 steel at max. 6 ft span attached 6-inch o.c.   | CELCORE (NOA 18-0717.05):<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).<br><a href="#">Note A.</a>  | None                                 | HPV Fastener with Insulation Fastening Plate | 1 per 1.0 ft <sup>2</sup> | VersiWeld                            | Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -120.0<br><i>Note B</i> |
| LWC-23  | Min. 22 ga., Type BV, Grade 80 steel; max. 5-ft span; 5/8" puddle welds with weld-washers spaced 6-inch o.c.         | CONCRECEL (NOA 21-1229.06):<br>Deck primed with Concrecel Bonding Agent at 600 ft <sup>2</sup> /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                       | VersiWeld                            | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                | -97.5                   |
| LWC-24  | Min. 22 ga., Type BV, Grade 80 steel; max. 6-ft span; 5/8" puddle welds spaced 6-inch o.c.                           | CONCRECEL (NOA 21-1229.06):<br>Min. 350 psi, min. 2-inch thick, Concrecel Lightweight Insulating Concrete (No EPS board)  | None                                 | None   | N/A                       | VersiWeld                            | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                | -105.0                  |
| LWC-25  | Min. 22 ga., Type BV, Grade 80 steel; max. 6-ft span; 5/8" puddle welds with weld-washers spaced 6-inch o.c.         | CONCRECEL (NOA 21-1229.06):<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                       | VersiWeld                            | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                | -135.0                  |
| LWC-26  | Min. 20 ga., Type BV, Grade 33 steel; max. 6-ft 3-inch span; 5/8" puddle welds or #12 HWH Tekes 5 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                       | VersiWeld                            | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                | -52.5                   |

**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. 22 ga., Type BV, Grade 33 steel; max. 6-ft span; 5/8" puddle welds or #12 HWH Tekes 5 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                       | VersiWeld                            | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                | -82.5                      |
| LWC-28  | Min. 22 ga., Type BV, Grade 33 steel; max. 5-ft span; 5/8" puddle welds or #12 HWH Tekes 5 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                       | VersiWeld                            | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                | -97.5                      |
| LWC-29  | Min. 22 ga., Type BV, Grade 33 steel; max. 5-ft span; 5/8" puddle welds or #12 HWH Tekes 5 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                       | VersiWeld                            | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                | -112.5                     |
| <b>VERSI-FLEECE TPO MEMBRANE APPLICATIONS (PARTIAL BOND):</b> |   |   |                   |  |                           |                                      |   |                            |
| LWC-30  | Min. 22 ga., Type BV, Grade 40 steel at max. 6 ft span; 5/8" puddle welds, 6-inch o.c.                        | CELCORE (NOA 18-0717.05):<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                       | VersiFleece TPO                      | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | -82.5                      |
| <b>VERSI-FLEECE TPO MEMBRANE APPLICATIONS (FULL BOND):</b>    |   |   |                   |  |                           |                                      |   |                            |
| LWC-31  | Min. 22 ga., Type B, Grade 33 steel at max. 6 ft span attached 6-inch o.c.                                    | CELCORE (NOA 18-0717.05):<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).<br><a href="#">Note A.</a>                                | Celcore PVA       | None   | N/A                       | VersiFleece TPO                      | Flexible DASH (FULL) or Flexible DASH DT (FULL)         | -60.0                      |
| LWC-32  | Min. 22 ga., Type B, Grade 33 steel at max. 4 ft span attached 6-inch o.c.                                    | CELCORE (NOA 18-0717.05):<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                       | VersiFleece TPO                      | Flexible DASH (FULL) or Flexible DASH DT (FULL)         | -67.5                      |
| LWC-33  | Min. 22 ga., Type B, Grade 33 steel at max. 6 ft span attached 6-inch o.c.                                    | CELCORE (NOA 18-0717.05):<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).<br><a href="#">Note A.</a>                                | Celcore PVA       | HPV Fastener with Insulation Fastening Plate | 1 per 9.0 ft <sup>2</sup> | VersiFleece TPO                      | Flexible DASH (FULL) or Flexible DASH DT (FULL)         | -67.5<br><i>Note B</i>     |
| LWC-34  | Min. 22 ga., Type B, Grade 33 steel at max. 6 ft span attached 6-inch o.c.                                    | CELCORE (NOA 18-0717.05):<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).<br><a href="#">Note A.</a>                                | Celcore PVA       | HPV Fastener with Insulation Fastening Plate | 1 per 1.0 ft <sup>2</sup> | VersiFleece TPO                      | Flexible DASH (FULL) or Flexible DASH DT (FULL)         | -120.0<br><i>Note B</i>    |
| LWC-35  | Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, #12 HWH Tekes 5, 6" o.c.                                     | ELASTIZELL (NOA 23-0817.05):<br>Min. 530 psi, min. 2-inch thick, Elastizell Range III LWIC  | None              | None   | N/A                       | VersiFleece TPO                      | Flexible DASH or Flexible DASH DT (FULL)                | -52.5                      |

**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-36     | Min. 20 ga., Type BV, Grade 33 steel; max. 6-ft 3-inch span; 5/8" puddle welds or #12 HWH Tekes 5 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    | VersiFleece TPO                      | Flexible DASH (FULL) | -52.5                      |
| LWC-37     | Min. 22 ga., Type BV, Grade 33 steel; max. 6-ft span; 5/8" puddle welds or #12 HWH Tekes 5 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    | VersiFleece TPO                      | Flexible DASH (FULL) | -82.5                      |
| LWC-38     | Min. 22 ga., Type BV, Grade 33 steel; max. 5-ft span; 5/8" puddle welds or #12 HWH Tekes 5 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    | VersiFleece TPO                      | Flexible DASH (FULL) | -97.5                      |
| LWC-39     | Min. 22 ga., Type BV, Grade 33 steel; max. 5-ft span; 5/8" puddle welds or #12 HWH Tekes 5 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    | VersiFleece TPO                      | Flexible DASH (FULL) | -112.5                     |
| Notes:     | <p>A.) If the type of LWC to be used on the project is unknown, as in a re-roof (tear-off) condition, compressive strength and fastener withdrawal resistance testing shall be conducted. Compressive strength testing shall be in accordance with ASTM C495 (for new pour) or ASTM C109 (for existing) and shall yield a minimum 200 psi result. Field withdrawal resistance testing in accordance with <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.</p> <p>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.</p> |  |                   |                         |        |                                      |                      |                            |

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

| System No.  | Deck <a href="#">(Note 1)</a>      | Lightweight Concrete <a href="#">(Note 14)</a>  | Roof Cover <a href="#">(Note 15)</a> |  | MDP (psf)* |
|---|------------------------------------|---|--------------------------------------|--|------------|
|   |                                    |   | Membrane                             | Application                              |            |
| <b>VERSIWELD OR VERSIWELD HS MEMBRANE APPLICATIONS:</b> |                                    |   |                                      |  |            |
| LWC-40  | Min. 2,500 psi structural concrete | CELCORE (NOA 18-0717.05):<br>Min. 300 psi, Min. 2-inch thick, Celcore Cellular Concrete (EPS board optional)  | VersiWeld                            | Aqua Base 120                            | -82.5      |
| LWC-41  | Min. 2,500 psi structural concrete | CELCORE (NOA 18-0717.05):<br>Min. 300 psi, Min. 2-inch thick, Celcore Cellular Concrete (EPS board optional)  | VersiWeld                            | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -135.0     |
| LWC-42  | Min. 2,500 psi structural concrete | CELCORE (NOA 18-0717.05):<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>   | VersiWeld                            | Aqua Base 120                            | -217.5     |
| LWC-43  | Min. 2,500 psi structural concrete | CELCORE (NOA 18-0717.05):<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>   | VersiWeld                            | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -480.0     |
| LWC-44  | Min. 2,500 psi structural concrete | CONCRECEL (NOA 21-1229.06):<br>Min. 350 psi, min. 2-inch thick, Concrecel Lightweight Insulating Concrete (EPS board optional)  | VersiWeld                            | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -452.5     |
| LWC-45  | Min. 2,500 psi structural concrete | ELASTIZELL (NOA 23-0817.05):<br>Min. 250 psi, Min. 2-inch thick, Elastizell Range II LWIC   | VersiWeld                            | Aqua Base 120                            | -67.5      |
| LWC-46  | 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)  | VersiWeld                            | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -240.0     |
| LWC-47  | 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)  | VersiWeld                            | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -495.0     |
| LWC-48  | Min. 2,500 psi structural concrete | Min. 350 psi, pre-existent cellular lightweight insulating concrete; <b>Note:</b> MCRF; <i>OMG CR-R Assembled Base Sheet Fastener (1.7 in.) ≥ 101 lbf per Note 11.</i>  | VersiWeld                            | VersiWeld BA                             | -452.5     |
| LWC-49  | Min. 2,500 psi structural concrete | Min. 320 psi, pre-existent cellular lightweight insulating concrete; <b>Note:</b> MCRF; <i>OMG CR-R Assembled Base Sheet Fastener (1.7 in.) ≥ 148 lbf per Note 11.</i>  | VersiWeld                            | VersiWeld BA                             | -492.5     |
| <b>VERSIWELD TPO MEMBRANE APPLICATIONS (FULL BOND):</b> |                                    |   |                                      |  |            |
| LWC-50  | Min. 2,500 psi structural concrete | CELCORE (NOA 18-0717.05):<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. | VersiFleece TPO                      | Flexible DASH or Flexible DASH DT (FULL) | -225.0     |
| LWC-51  | Min. 2,500 psi structural concrete | CELCORE (NOA 18-0717.05):<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>   | VersiFleece TPO                      | Flexible DASH or Flexible DASH DT (FULL) | -232.5     |
| LWC-52  | 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)  | VersiFleece TPO                      | Flexible DASH (FULL)                     | -240.0     |
| LWC-53  | 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)  | VersiFleece TPO                      | 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 (psf)* |
|--|---|--|--------------------------------------|---|------------|
|  |   |  | Membrane                             | Application                                   |            |
| LWC-54   | Min. 2,500 psi structural concrete  | Min. 320 psi, pre-existent cellular lightweight insulating concrete; <b>Note:</b> MCRF; <i>OMG CR-R Assembled Base Sheet Fastener (1.7 in.) ≥ 148 lbf per Note 11.</i> | VersiFleece TPO                      | Flexible DASH (FULL)                          | -250.0     |
| LWC-55   | Min. 2,500 psi structural concrete  | Min. 350 psi, pre-existent cellular lightweight insulating concrete; <b>Note:</b> MCRF; <i>OMG CR-R Assembled Base Sheet Fastener (1.7 in.) ≥ 101 lbf per Note 11.</i> | VersiFleece TPO                      | Flexible DASH DT (SPLATTER at 3.5-4.0 lbs/sq) | -345.0     |
| <b>VERSIWELD QA TPO MEMBRANE APPLICATIONS:</b> |   |  |                                      |   |            |
| LWC-56   | Min. 3,000 psi structural concrete  | ELASTIZELL (NOA 23-0817.05):<br>Min. 250 psi, Min. 2-inch thick, Elastizell Range II LWIC  | VersiWeld QA TPO                     | Self-adhered                                  | -282.5     |
| Notes:   | A.) If the type of LWC to be used on the project is unknown, as in a re-roof (tear-off) condition, compressive strength and fastener withdrawal resistance testing shall be conducted. Compressive strength testing shall be in accordance with ASTM C495 (for new pour) or ASTM C109 (for existing) and shall yield a minimum 200 psi result. Field withdrawal resistance testing in accordance with <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: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**  
 REFER TO [NOTE 16B](#) FOR VAPOR BARRIER OPTIONS.

| System No.  | Deck <a href="#">(Note 1)</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>            | Type                                 | Application                              |                            |
| <b>VERSIWELD OR VERSIWELD HS MEMBRANE APPLICATIONS:</b> |  |   |   |   |   |                                      |  |                            |
| CWF-1   | Min. 2-inch Tectum Plank; 3 ft span, Dekfast DF-#14-PH3 Fsteners with Dekfast PLT-R-#14-2-4B , 2 per joist     | (Optional) Min. 1.5-inch VersiCore, SecurShield   | Flexible DASH or Flexible DASH DT (RIBBON)      | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min 19/32-inch APA rated plywood  | Flexible DASH or Flexible DASH DT (RIBBON)      | VersiWeld                            | Aqua Base 120                            | -52.5                      |
| CWF-2   | Min. 2-inch Tectum Plank; 3 ft span, Dekfast DF-#14-PH3 Fsteners with Dekfast PLT-R-#14-2-4B , 2 per joist     | (Optional) Min. 1.5-inch VersiCore, SecurShield   | Flexible DASH or Flexible DASH DT (RIBBON)      | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min 19/32-inch APA rated plywood  | Flexible DASH or Flexible DASH DT (RIBBON)      | VersiWeld                            | Cav-Grip 3V A/P or VersiWeld BA          | -75.0                      |
| CWF-3   | Min. 2-inch Tectum Plank; 4 ft span, Trufast #12 Purlin Fastener with Trufast 2" Metal Seam Plate, 3 per joist | (Optional) Min. 1.5-inch VersiCore, SecurShield   | Flexible DASH or Flexible DASH DT (RIBBON)      | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board, Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or Min. 2-inch DuraFaceR (plywood top) | Flexible DASH or Flexible DASH DT (RIBBON)      | VersiWeld                            | Cav-Grip 3V A/P, LVOC-BA or VersiWeld BA | -82.5                      |
| CWF-4   | Min. 2-inch Tectum Plank; 4 ft span, Trufast #12 Purlin Fastener with Trufast 2" Metal Seam Plate, 3 per joist | Min. 1.5-inch VersiCore, SecurShield and/or min. 1.5-inch SecurShield HD Composite  | Flexible DASH or Flexible DASH DT (RIBBON)      | (Optional) Additional layer(s) base insulation, min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH  | Flexible DASH or Flexible DASH DT (RIBBON)      | VersiWeld                            | Cav-Grip 3V A/P, LVOC-BA or VersiWeld BA | -82.5                      |
| CWF-5   | Min. 2-inch Tectum Plank; 3 ft span, Dekfast DF-#14-PH3 Fsteners with Dekfast PLT-R-#14-2-4B , 2 per joist     | (Optional) Min. 1.0-inch VersiCore, SecurShield   | Flexible DASH (FULL)                            | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.625-inch DensDeck Prime  | Flexible DASH (FULL)                            | VersiWeld                            | Cav-Grip 3V A/P or VersiWeld BA          | -90.0                      |
| CWF-6   | Min. 2-inch Tectum Plank   | Min. 1-inch VersiCore or SecurShield  | Flexible DASH (FULL) or Flexible DASH DT (FULL) | (Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 1.5-inch SecurShield HD Composite                                     | Flexible DASH (FULL) or Flexible DASH DT (FULL) | VersiWeld                            | Cav-Grip 3V A/P, LVOC-BA or VersiWeld BA | -277.5                     |
| CWF-7   | Min. 2-inch Tectum Plank   | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 1.5-inch SecurShield HD Composite | Flexible DASH (FULL) or Flexible DASH DT (FULL) | None  | N/A   | VersiWeld                            | Cav-Grip 3V A/P, LVOC-BA or VersiWeld BA | -277.5                     |

**TABLE 5A: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**  
 REFER TO [NOTE 16B](#) FOR VAPOR BARRIER OPTIONS.

| System No.  | Deck <a href="#">(Note 1)</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>       | Type                                 | Application  |                            |
| <b>VERSIWELD FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):</b> |  |  |  |   |  |                                      |  |                            |
| CWF-8   | Min. 2-inch Tectum Plank; 4 ft span, Trufast #12 Purlin Fastener with Trufast 2" Metal Seam Plate, 3 per joist | (Optional) Min. 1.5-inch VersiCore, SecurShield                                    | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board, Min. 0.5-inch SecurShield HD, SecurShield HD Plus or Min. 2-inch DuraFaceR (plywood top)                  | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                      | Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0                      |
| CWF-9   | Min. 2-inch Tectum Plank; 4 ft span, Trufast #12 Purlin Fastener with Trufast 2" Metal Seam Plate, 3 per joist | Min. 1.5-inch VersiCore, SecurShield and/or min. 1.5-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | (Optional) Additional layer(s) base insulation, min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus   | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                      | Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0                      |
| CWF-10  | Min. 2-inch Tectum Plank; 4 ft span, Trufast #12 Purlin Fastener with Trufast 2" Metal Seam Plate, 3 per joist | (Optional) Min. 1.5-inch VersiCore, SecurShield                                    | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus   | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                      | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)  | -82.5                      |
| <b>VERSIWELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):</b>    |  |  |  |   |  |                                      |  |                            |
| CWF-11  | Min. 2-inch Tectum Plank; 3 ft span, Dekfast DF-#14-PH3 Fsteners with Dekfast PLT-R-#14-2-4B, 2 per joist      | (Optional) Min. 1.5-inch VersiCore, SecurShield                                    | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min 19/32-inch APA rated plywood  | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                      | HydroBond WB   | -52.5                      |
| CWF-12  | Min. 2-inch Tectum Plank; 3 ft span, Dekfast DF-#14-PH3 Fsteners with Dekfast PLT-R-#14-2-4B, 2 per joist      | (Optional) Min. 1.5-inch VersiCore, SecurShield                                    | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min 19/32-inch APA rated plywood  | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                      | Flexible DASH, Flexible DASH DT (FULL)                   | -75.0                      |
| CWF-13  | Min. 2-inch Tectum Plank; 4 ft span, Trufast #12 Purlin Fastener with Trufast 2" Metal Seam Plate, 3 per joist | (Optional) Min. 1.5-inch VersiCore, SecurShield                                    | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board, Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or Min. 2-inch DuraFaceR (plywood top) | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                      | Flexible DASH, Flexible DASH DT (FULL) or HydroBond WB   | -82.5                      |
| CWF-14  | Min. 2-inch Tectum Plank; 4 ft span, Trufast #12 Purlin Fastener with Trufast 2" Metal Seam Plate, 3 per joist | Min. 1.5-inch VersiCore, SecurShield and/or min. 1.5-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | (Optional) Additional layer(s) base insulation, min. 0.25-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH  | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                      | Flexible DASH, Flexible DASH DT (FULL) or HydroBond WB   | -82.5                      |

**TABLE 5A: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**  
 REFER TO [NOTE 16B](#) FOR VAPOR BARRIER OPTIONS.

| System No. | Deck <a href="#">(Note 1)</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>            | Type                                 | Application   |                            |
| CWF-15     | Min. 2-inch Tectum Plank; 3 ft span, Dekfast DF-#14-PH3 Fsteners with Dekfast PLT-R-#14-2-4B , 2 per joist | Min. 1.0-inch VersiCore, SecurShield  | Flexible DASH (FULL)                            | (Optional) Min. 0.5-inch HP Recovery Board  | Flexible DASH (FULL)                            | VersiFleece TPO                      | Flexible DASH (FULL)  | -90.0                      |
| CWF-16     | Min. 2-inch Tectum Plank; 3 ft span, Dekfast DF-#14-PH3 Fsteners with Dekfast PLT-R-#14-2-4B , 2 per joist | Min. 1-inch Insulfoam SP  | Flexible DASH (FULL)                            | None  | N/A   | VersiFleece TPO                      | Flexible DASH (FULL)  | -90.0                      |
| CWF-17     | Min. 2-inch Tectum Plank; 3 ft span, Dekfast DF-#14-PH3 Fsteners with Dekfast PLT-R-#14-2-4B , 2 per joist | (Optional) Min. 1.0-inch VersiCore, SecurShield   | Flexible DASH (FULL)                            | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.625-inch DensDeck Prime  | Flexible DASH (FULL)                            | VersiFleece TPO                      | Flexible DASH, Flexible DASH DT (FULL)                          | -90.0                      |
| CWF-18     | Min. 2-inch Tectum Plank   | Min. 1-inch VersiCore or SecurShield  | Flexible DASH (FULL) or Flexible DASH DT (FULL) | (Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 1.5-inch SecurShield HD Composite | Flexible DASH (FULL) or Flexible DASH DT (FULL) | VersiFleece TPO                      | Flexible DASH (FULL) or Flexible DASH DT (FULL) or HydroBond WB | -277.5                     |
| CWF-19     | Min. 2-inch Tectum Plank   | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 1.5-inch SecurShield HD Composite | Flexible DASH (FULL) or Flexible DASH DT (FULL) | None  | N/A   | VersiFleece TPO                      | Flexible DASH (FULL) or Flexible DASH DT (FULL) or HydroBond WB | -277.5                     |

**TABLE 5B: CEMENTITIOUS WOOD FIBER 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  |                           |
| CWF-20     | Min. 2-inch Tectum Plank; 4 ft span, Trufast #12 Purlin Fasteners with Trufast 2" Metal Seam Plates, 3 per joist | None   | VersiFleece TPO                      | Flexible DASH (RIBBONS 12-inch o.c.) or Flexible DASH DT (RIBBONS 12-inch o.c.) | -105.0                    |
| CWF-21     | Min. 2-inch Tectum Plank   | None   | VersiFleece TPO                      | Flexible DASH (FULL) or Flexible DASH DT (FULL)                                 | -601.5                    |

**TABLE 6A: EXISTING GYPSUM DECKS – REROOF (TEAR-OFF)  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

| System No.  | Deck<br><a href="#">(Note 1, Note 12)</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>    | Type                                 | Application  |                               |
| <b>VERSIWELD OR VERSIWELD HS MEMBRANE APPLICATIONS:</b>           |   |  |  |   |  |                                      |  |                               |
| G-1.  | Existing gypsum deck                      | (Optional) Min. 1-inch VersiCore, SecurShield                                    | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 2-inch DuraFaceR (plywood top)   | Flexible DASH or Flexible DASH DT (RIBBON) | VersiWeld                            | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                 | -157.5                        |
| G-2.  | Existing gypsum deck                      | Min. 2-inch DuraFaceR (plywood top)  | Flexible DASH or Flexible DASH DT (RIBBON) | None  | N/A  | VersiWeld                            | Cav-Grip 3V A/P or VersiWeld BA                          | -187.5                        |
| G-3.  | Existing gypsum deck                      | Min. 1-inch VersiCore, SecurShield and/or min. 1.5-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | (Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or nominal 0.5-inch DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiWeld                            | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                 | -237.5                        |
| G-4.  | Existing gypsum deck                      | Nominal 0.5-inch DuraStorm VSH   | Flexible DASH or Flexible DASH DT (RIBBON) | None  | N/A  | VersiWeld                            | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                 | -352.5                        |
| G-5.  | Existing gypsum deck                      | Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH               | Flexible DASH or Flexible DASH DT (RIBBON) | None  | N/A  | VersiWeld                            | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                 | -450.0                        |
| G-6.  | Existing gypsum deck                      | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board                | Flexible DASH or Flexible DASH DT (RIBBON) | None  | N/A  | VersiWeld                            | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                 | -495.0                        |
| <b>VERSIWELD FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):</b> |   |  |  |   |  |                                      |  |                               |
| G-7.  | Existing gypsum deck                      | Min. 1-inch VersiCore, SecurShield and/or min. 1.5-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | (Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus  | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                      | Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0                         |
| G-8.  | Existing gypsum deck                      | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board                | Flexible DASH or Flexible DASH DT (RIBBON) | None  | N/A  | VersiFleece TPO                      | Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0                         |
| G-9.  | Existing gypsum deck                      | (Optional) Min. 1-inch VersiCore, SecurShield                                    | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus   | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                      | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)  | -90.0                         |
| <b>VERSIWELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):</b>    |   |  |  |   |  |                                      |  |                               |

**TABLE 6A: EXISTING GYPSUM DECKS – REROOF (TEAR-OFF)  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

| System No. | Deck<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)* |
|------------|--|--|--|---|--|--|--|---------------|
|            |  | Type   | Attach<br>( <a href="#">Notes 6,7,8</a> )  | Type  | Attach<br>( <a href="#">Notes 6,7,8</a> )  | Type                                   | Application  |               |
| G-10.      | Existing gypsum deck   | (Optional) Min. 1-inch VersiCore, SecurShield                                    | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 2-inch DuraFaceR (plywood top)   | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                        | Flexible DASH or Flexible DASH DT (FULL)               | -157.5        |
| G-11.      | Existing gypsum deck   | Min. 2-inch DuraFaceR (plywood top)  | Flexible DASH or Flexible DASH DT (RIBBON) | None  | N/A  | VersiFleece TPO                        | Flexible DASH or Flexible DASH DT (FULL)               | -187.5        |
| G-12.      | Existing gypsum deck   | Min. 1-inch VersiCore, SecurShield and/or min. 1.5-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | (Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or nominal 0.5-inch DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                        | Flexible DASH, Flexible DASH DT (FULL) or HydroBond WB | -237.5        |
| G-13.      | Existing gypsum deck   | (Optional) Min. 1-inch Insulfoam IX  | Flexible DASH (FULL)                       | Min. 1-inch Insulfoam SP  | Flexible DASH (FULL)                       | VersiFleece TPO                        | Flexible DASH (FULL)                                   | -295.0        |
| G-14.      | Existing gypsum deck   | Nominal 0.5-inch DuraStorm VSH   | Flexible DASH or Flexible DASH DT (RIBBON) | None  | N/A  | VersiFleece TPO                        | Flexible DASH, Flexible DASH DT (FULL) or HydroBond WB | -352.5        |
| G-15.      | Existing gypsum deck   | Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH               | Flexible DASH or Flexible DASH DT (RIBBON) | None  | N/A  | VersiFleece TPO                        | Flexible DASH, Flexible DASH DT (FULL) or HydroBond WB | -450.0        |
| G-16.      | Existing gypsum deck   | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board                | Flexible DASH or Flexible DASH DT (RIBBON) | None  | N/A  | VersiFleece TPO                        | Flexible DASH, Flexible DASH DT (FULL) or HydroBond WB | -495.0        |

**TABLE 6B: GYPSUM DECKS - 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 |  |  | Roof Cover ( <a href="#">Note 15</a> )               | MDP<br>(psf) |
|---|------------------------------------|--------------------------------------|---|---------------------------|----------------------|--|--|--|--------------|
|   |                                    | Type                                 | Fasten ( <a href="#">Note 11</a> )  | Attach                    | MCRF (lbf)           | Type   | Attach<br>( <a href="#">Notes 6,7,8</a> )  |  |              |
| <b>VERSIWELD MEMBRANE APPLICATIONS:</b> |                                    |                                      |   |                           |                      |  |  |  |              |
| G-17.                                   | Existing gypsum deck               | Min. 1.5-inch VersiCore, SecurShield | Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed. | 1 per 2.0 ft <sup>2</sup> | 180                  | Additional layer(s) min. 1-inch base insulation and/or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 1.5-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -45.0*       |

**TABLE 6B: GYPSUM DECKS - REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER**

| System No.   | Deck (Note 1)        | Base Insulation Layer                |   |                           |            | Top Insulation Layer   |  |  | Roof Cover (Note 15) | MDP (psf) |
|--|----------------------|--------------------------------------|---|---------------------------|------------|--|--|--|----------------------|-----------|
|  |                      | Type                                 | Fasten (Note 11)  | Attach                    | MCRF (lbf) | Type   | Attach (Notes 6,7,8)                       |  |                      |           |
| G-18.  | Existing gypsum deck | Min. 2-inch VersiCore, SecurShield   | Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed. | 1 per 4.0 ft <sup>2</sup> | 360        | Additional layer(s) min. 1-inch base insulation and/or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 1.5-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                       | -45.0*               |           |
| <b>VERSIFLEECE TPO MEMBRANE APPLICATIONS (PARTIAL BOND):</b> |                      |                                      |   |                           |            |  |  |  |                      |           |
| G-19.  | Existing gypsum deck | Min. 1.5-inch VersiCore, SecurShield | Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed. | 1 per 2.0 ft <sup>2</sup> | 180        | Additional layer(s) min. 1.5-inch base insulation and/or min. 0.25-inch DensDeck Prime or min. 2-inch SecurShield HD Composite   | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0*               |           |
| G-20.  | Existing gypsum deck | Min. 2-inch VersiCore, SecurShield   | Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed. | 1 per 4.0 ft <sup>2</sup> | 360        | Additional layer(s) min. 1.5-inch base insulation and/or min. 0.25-inch DensDeck Prime or min. 2-inch SecurShield HD Composite   | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0*               |           |
| <b>VERSIFLEECE TPO MEMBRANE APPLICATIONS (FULL BOND):</b>    |                      |                                      |   |                           |            |  |  |  |                      |           |
| G-21.  | Existing gypsum deck | Min. 1.5-inch VersiCore, SecurShield | Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed. | 1 per 2.0 ft <sup>2</sup> | 180        | Additional layer(s) min. 1-inch base insulation and/or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 1.5-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)                 | -45.0*               |           |
| G-22.  | Existing gypsum deck | Min. 2-inch VersiCore, SecurShield   | Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed. | 1 per 4.0 ft <sup>2</sup> | 360        | Additional layer(s) min. 1-inch base insulation and/or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 1.5-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)                 | -45.0*               |           |
| <b>VERSIFLEECE TPO® RL™ APPLICATIONS:</b>                    |                      |                                      |   |                           |            |  |  |  |                      |           |
| G-23.  | Existing gypsum deck | Min. 1.5-inch VersiCore, SecurShield | Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed. | 1 per 2.0 ft <sup>2</sup> | 180        | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD RL, min. 1.5-inch VersiCore RL or SecurShield RL or min. 2-inch SecurShield HD Composite RL                         | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece RL   | -45.0*               |           |
| G-24.  | Existing gypsum deck | Min. 2-inch VersiCore, SecurShield   | Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed. | 1 per 4.0 ft <sup>2</sup> | 360        | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD RL, min. 1.5-inch VersiCore RL or SecurShield RL or min. 2-inch SecurShield HD Composite RL                         | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece RL   | -45.0*               |           |

**TABLE 6c: GYPSUM DECKS - REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

| System No.   | Deck (Note 1)        | Base Insulation Layer (Note 13)                | Top Insulation Layer  |   |                           |            | Roof Cover (Note 15)   | MDP (psf) |
|--|----------------------|--|---|---|---------------------------|------------|--|-----------|
|  |                      |  | Type  | Fastener (Note 11)  | Attach                    | MCRF (lbf) |  |           |
| <b>VERSIWELD MEMBRANE APPLICATIONS:</b>                      |                      |  |   |   |                           |            |  |           |
| G-25.  | Existing gypsum deck | (Optional) One or more layers, any combination | Min. 1.5-inch VersiCore, SecurShield or SecurShield HD Composite                        | Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed. | 1 per 2.0 ft <sup>2</sup> | 180        | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                       | -45.0*    |
| G-26.  | Existing gypsum deck | (Optional) One or more layers, any combination | Min. 2-inch VersiCore, SecurShield or SecurShield HD Composite                          | Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed. | 1 per 4.0 ft <sup>2</sup> | 360        | VersiWeld / Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                       | -45.0*    |
| <b>VERSIFLEECE TPO MEMBRANE APPLICATIONS (PARTIAL BOND):</b> |                      |  |   |   |                           |            |  |           |
| G-27.  | Existing gypsum deck | (Optional) One or more layers, any combination | Min. 1.5-inch VersiCore, SecurShield or SecurShield HD Composite                        | Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed. | 1 per 2.0 ft <sup>2</sup> | 180        | VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0*    |
| G-28.  | Existing gypsum deck | (Optional) One or more layers, any combination | Min. 2-inch VersiCore, SecurShield or SecurShield HD Composite                          | Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed. | 1 per 4.0 ft <sup>2</sup> | 360        | VersiFleece TPO / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0*    |
| <b>VERSIFLEECE TPO MEMBRANE APPLICATIONS (FULL BOND):</b>    |                      |  |   |   |                           |            |  |           |
| G-29.  | Existing gypsum deck | (Optional) One or more layers, any combination | Min. 1.5-inch VersiCore, SecurShield or SecurShield HD Composite                        | Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed. | 1 per 2.0 ft <sup>2</sup> | 180        | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)                 | -45.0*    |
| G-30.  | Existing gypsum deck | (Optional) One or more layers, any combination | Min. 2-inch VersiCore, SecurShield or SecurShield HD Composite                          | Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed. | 1 per 4.0 ft <sup>2</sup> | 360        | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL)                 | -45.0*    |
| <b>VERSIFLEECE TPO® RL™ APPLICATIONS:</b>                    |                      |  |   |   |                           |            |  |           |
| G-31.  | Existing gypsum deck | (Optional) One or more layers, any combination | Min. 1.5-inch VersiCore RL or SecurShield RL or min. 2-inch SecurShield HD Composite RL | Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed. | 1 per 2.0 ft <sup>2</sup> | 180        | VersiFleece RL   | -45.0*    |
| G-32.  | Existing gypsum deck | (Optional) One or more layers, any combination | Min. 2-inch VersiCore RL, SecurShield RL or SecurShield HD Composite RL                 | Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed. | 1 per 4.0 ft <sup>2</sup> | 360        | VersiFleece RL   | -45.0*    |

**TABLE 6d: EXISTING GYPSUM DECKS – REROOF (TEAR-OFF)  
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER**

| System No. | Deck (Note 1)        | Primer | Roof Cover (Note 15) |  | MDP (psf)* |
|------------|----------------------|--------|----------------------|--|------------|
|            |                      |        | Type                 | Attach                                       |            |
| G-33.      | Existing gypsum deck | None   | VersiFleece TPO      | Flexible DASH (FULL)                         | -295.0     |
| G-34.      | Existing gypsum deck | None   | VersiFleece TPO      | Flexible DASH DT (SPATTER at 3.5-4.0 lbs/sq) | -717.5     |

**TABLE 7A: 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 (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                              |                         |
| <b>VERSIWELD OR VERSIWELD HS MEMBRANE APPLICATIONS:</b> |  |   |   |  |  |  |  |                         |
| 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 VersiCore, SecurShield                              | 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 SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiWeld                              | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -167.5                  |
| R-2   | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)   | Min. 1-inch VersiCore, SecurShield                              | 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 SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiWeld                              | Cav-Grip 3V A/P, LVOC BA or VersiWeld 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 | (Optional) Min. 1-inch VersiCore, SecurShield                   | Flexible DASH or Flexible DASH DT (RIBBON)              | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 2-inch DuraFaceR (plywood top) or SecurShield HD Composite  | Flexible DASH or Flexible DASH DT (RIBBON) | VersiWeld                              | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -145.0                  |
| R-4   | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)   | Min. 1-inch VersiCore, SecurShield                              | 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 DuraFaceR (plywood top) or SecurShield HD Composite  | Flexible DASH or Flexible DASH DT (RIBBON) | VersiWeld                              | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -145.0                  |
| R-5   | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)   | Min. 2-inch DuraFaceR (plywood top) or SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | None   | N/A  | VersiWeld                              | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -145.0                  |



**TABLE 7A: 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-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 SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON)              | None  | N/A                                       | VersiWeld                              | Cav-Grip 3V A/P, LVOC BA or VersiWeld 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 SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | None  | N/A                                       | VersiWeld                              | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                | -302.5                     |
| R-8        | Existing fully-adhered asphaltic BUR or mineral surface cap sheet  | Min. 1.5-inch ACFoam II, VersiCore, SecurShield, ENRGY 3  | OB500   | (Optional) Additional layers of base insulation   | OB500                                     | VersiWeld                              | Aqua Base 120 or VersiWeld BA                           | -120.0                     |
| R-9        | Existing fully-adhered asphaltic BUR or mineral surface cap sheet  | Min. 1.5-inch VersiCore, SecurShield  | OB500   | (Optional) Additional layers of base insulation   | OB500                                     | VersiWeld                              | Cav-Grip 3V A/P   | -120.0                     |
| R-10       | Existing fully-adhered asphaltic BUR or mineral surface cap sheet  | (Optional) Min. 1.5-inch ACFoam II, VersiCore, SecurShield, 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                                     | VersiWeld                              | Aqua Base 120 or VersiWeld BA                           | -120.0                     |
| R-11       | Existing fully-adhered asphaltic BUR or mineral surface cap sheet  | (Optional) Min. 1.5-inch ACFoam II, VersiCore, SecurShield, ENRGY 3   | OB500   | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><u>Coverboard</u> : Min. 0.25-inch DensDeck Prime                   | OB500                                     | VersiWeld                              | Cav-Grip 3V A/P   | -120.0                     |
| R-12       | Existing fully-adhered asphaltic BUR or mineral surface cap sheet  | (Optional) Min. 1.5-inch ACFoam II, VersiCore, SecurShield, 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                                     | VersiWeld                              | Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -120.0                     |

**VERSI FLEECE TPO MEMBRANE APPLICATIONS (PARTIAL BOND):**

**TABLE 7A: 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-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 VersiCore, SecurShield   | Flexible DASH or Flexible DASH DT (RIBBON)              | (Optional) Additional layer(s) base insulation   | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                        | Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0                      |
| R-14       | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)   | Min. 1-inch VersiCore, SecurShield   | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | (Optional) Additional layer(s) base insulation   | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                        | 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 VersiCore, SecurShield  | 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 SecurShield HD or SecurShield HD Plus | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                        | 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 VersiCore, SecurShield   | 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 SecurShield HD or SecurShield HD Plus | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                        | Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0                      |
| R-17       | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)   | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD or SecurShield HD Plus | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | None   | N/A  | VersiFleece TPO                        | 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 VersiCore, SecurShield  | Flexible DASH or Flexible DASH DT (RIBBON)              | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH   | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                        | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)  | -90.0                      |

**TABLE 7A: 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-19  | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)   | Min. 1-inch VersiCore, SecurShield                                 | 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 SecurShield HD, SecurShield HD Plus or DuraStorm VSH   | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                        | 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 SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | None   | N/A  | VersiFleece TPO                        | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.)  | -90.0                     |
| R-21  | Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen | (Optional) Min. 1-inch VersiCore, SecurShield                      | Flexible DASH or Flexible DASH DT (RIBBON)              | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><u>Coverboard</u> : Min. 1.5-inch SecurShield HD Composite   | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                        | 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 VersiCore, SecurShield                                 | 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 SecurShield HD Composite   | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                        | 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 SecurShield HD Composite                             | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | None   | N/A  | VersiFleece TPO                        | Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0                     |
| <b>VERSIFLEECE TPO 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 VersiCore, SecurShield                                 | 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 SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                        | Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -167.5                    |

**TABLE 7A: 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-25       | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)   | Min. 1-inch VersiCore, SecurShield  | 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 SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                        | 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 VersiCore, SecurShield   | Flexible DASH or Flexible DASH DT (RIBBON)              | <u>Insulation</u> : (Optional) Additional layer(s) base insulation<br><u>Coverboard</u> : Min. 2-inch DuraFaceR (plywood top) or SecurShield HD Composite  | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                        | Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -145.0                     |
| R-27       | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)   | Min. 1-inch VersiCore, SecurShield  | 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 DuraFaceR (plywood top) or SecurShield HD Composite  | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece TPO                        | 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 DuraFaceR (plywood top) or SecurShield HD Composite   | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | None   | N/A  | VersiFleece TPO                        | 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 SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON)              | None   | N/A  | VersiFleece TPO                        | 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 SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | None   | N/A  | VersiFleece TPO                        | Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -302.5                     |

**TABLE 7A: 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 |                            |
| <b>VERSIFLEECE RL™ APPLICATIONS:</b> |  |   |   |  |  |  |             |                            |
| 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-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON)              | <u>Insulation:</u> (Optional) Additional layer(s) base insulation<br><u>Coverboard:</u> Min. 2.0-inch VersiCore RL | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece RL™                        |             | -142.5                     |
| R-32                                 | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)   | Min. 1-inch VersiCore, SecurShield            | 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. 2.0-inch VersiCore RL | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece RL™                        |             | -142.5                     |
| R-33                                 | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)   | Min. 2.0-inch VersiCore RL                    | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | None   | N/A  | VersiFleece RL™                        |             | -142.5                     |

**TABLE 7B: 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  |                            |
| <b>VERSIFLEECE TPO MEMBRANE APPLICATIONS (FULL BOND):</b> |  |  |   |  |  |   |  |                            |
| 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 | (Optional) Min. 1.5-inch VersiCore, SecurShield                  | 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      | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) | -165.0                     |
| R-35  | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)   | Min. 1.5-inch VersiCore, SecurShield                             | 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      | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) | -165.0                     |
| R-36  | 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      | VersiFleece TPO / Flexible DASH or Flexible DASH DT (FULL) | -165.0                     |
| <b>VERSIFLEECE AC TPO MEMBRANE APPLICATIONS:</b>          |  |  |   |  |  |   |  |                            |
| 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 VersiCore, SecurShield                               | 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      | VersiFleece AC TPO / V-CAA or hot asphalt                  | -157.5                     |
| R-38  | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)   | Min. 1-inch VersiCore, SecurShield                               | 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      | VersiFleece AC TPO / V-CAA or hot asphalt                  | -157.5                     |
| R-39  | 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      | VersiFleece AC TPO / V-CAA or hot asphalt                  | -157.5                     |

**TABLE 7B: 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-40       | 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 VersiCore, SecurShield                               | 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      | VersiFleece AC TPO / V-CAA or hot asphalt | -167.5                     |
| R-41       | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)   | Min. 1-inch VersiCore, SecurShield                               | 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      | VersiFleece AC TPO / V-CAA or hot asphalt | -167.5                     |
| R-42       | 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      | VersiFleece AC TPO / V-CAA or hot asphalt | -202.5                     |
| R-43       | 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      | VersiFleece AC TPO / V-CAA or hot asphalt | -202.5                     |
| R-44       | Existing fully-adhered asphaltic BUR   | Min. 1.5-inch VersiCore, SecurShield or min. 2-inch Insulfoam IX | 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      | VersiFleece AC TPO / V-CAA or hot asphalt | -105.0                     |
| R-45       | Existing fully-adhered asphaltic BUR   | Min. 1.5-inch VersiCore, SecurShield or min. 2-inch Insulfoam IX | 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      | VersiFleece AC TPO / V-CAA or hot asphalt | -120.0                     |

**TABLE 7c: 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><a href="#">(Note 1)</a>  | Insulation Layer<br><a href="#">(Note 5)</a>                | Attachment  |                            | Roof Cover <a href="#">(Note 15B)</a>  | MDP<br><a href="#">(psf)</a> |
|--|--|---|---|----------------------------|--|------------------------------|
|  |  |   | Fastener <a href="#">(Note 11)</a>  | Spacing                    |  |                              |
| <b>RHINO BOND SYSTEMS:</b>               |  |   |   |                            |  |                              |
| 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 | Verisco Purlin Fastener or RetroDriller Fastener with RhinoBond Insulation Plate (TPO) are fastened through to purlins  | 12-inch o.c. along purlins | VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions. | -45.0                        |
| 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. 120-inch o.c.</b> | One or more layers, any combination, preliminarily fastened | Verisco Purlin Fastener or RetroDriller Fastener with RhinoBond Insulation Plate (TPO) are fastened through to purlins  | 6-inch o.c. along purlins  | VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions. | -52.5                        |
| 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. 60-inch o.c.</b>  | One or more layers, any combination, preliminarily fastened | Verisco Purlin Fastener or RetroDriller Fastener with RhinoBond Insulation Plate (TPO) are fastened through to purlins  | 6-inch o.c. along purlins  | VersiWeld or VersiWeld Plus induction welded with RhinoBond tool per manufacturer's instructions.                  | -67.5                        |
| <b>ISOWELD INDUCTION WELDING SYSTEM:</b> |  |   |   |                            |  |                              |
| R-49                                     | 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 Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate are fastened through to purlins | 12-inch o.c. along purlins | VersiWeld (minimum 60-mil) or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.        | -45.0                        |
| 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 Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate are fastened through to purlins | 6-inch o.c. along purlins  | VersiWeld or VersiWeld Plus induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.                         | -90.0                        |

**TABLE 7d: 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><a href="#">(psf)</a> |
|------------|---|-------------------------------------|------------------------------------|---------------------------------------|---|--|------------------------------|
|            |   | Type                                | Attach<br><a href="#">(Note 5)</a> | Membrane                              | Fastener <a href="#">(Note 11)</a>                                | Attachment   |                              |
| R-51       | 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                     | VersiWeld or VersiWeld Plus           | Verisco Purlin Fastener or RetroDriller Fastener with HPV-X 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-52       | 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                     | VersiWeld or VersiWeld Plus           | Verisco Purlin Fastener or RetroDriller Fastener with HPV-X 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-53       | 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                     | VersiWeld or VersiWeld Plus           | Verisco Purlin Fastener or RetroDriller Fastener with HPV-X 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                        |



**TABLE 7D: 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><a href="#">(psf)</a> |
|------------|--|-------------------------------------|------------------------------------|---------------------------------------|---|---|------------------------------|
|            |  | 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. 90.5-inch o.c. | One or more layers, any combination | Prelim. attach                     | VersiWeld or VersiWeld Plus           | Verisco Purlin Fastener or RetroDriller Fastener with HPV-X 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-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. 54.5-inch o.c. | One or more layers, any combination | Prelim. attach                     | VersiWeld or VersiWeld Plus           | Verisco Purlin Fastener or RetroDriller Fastener with HPV-X 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-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                     | VersiWeld or VersiWeld Plus           | Verisco Purlin Fastener or RetroDriller Fastener with HPV-X 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 7E: 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<br><a href="#">(psf)</a> |
|------------|---|-------------------------------------|------------------------------------|---|---|--|------------------------------|
|            |   | Type                                | Attach<br><a href="#">(Note 5)</a> | Membrane                                  | Fastener <a href="#">(Note 11)</a>                                | Attachment   |                              |
| 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. 114-inch o.c. | One or more layers, any combination | Prelim. attached                   | VersiWeld, VersiWeld HS or VersiWeld Plus | Verisco Purlin Fastener or RetroDriller Fastener with HPV-X Plate | VersiWeld TPO 10-inch Pressure-Sensitive 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-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-inch o.c.  | One or more layers, any combination | Prelim. attached                   | VersiWeld, VersiWeld HS or VersiWeld Plus | Verisco Purlin Fastener or RetroDriller Fastener with HPV-X Plate | VersiWeld TPO 10-inch Pressure-Sensitive 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-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. 120-inch o.c. | One or more layers, any combination | Prelim. attached                   | VersiWeld, VersiWeld HS or VersiWeld Plus | Verisco Purlin Fastener or RetroDriller Fastener with HPV-X Plate | VersiWeld TPO 10-inch Pressure-Sensitive 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                        |

**TABLE 7E: 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 <a href="#">(psf)</a> |
|------------|--|-------------------------------------|---------------------------------|---|---|--|---------------------------|
|            |  | Type                                | Attach <a href="#">(Note 5)</a> | Membrane                                  | Fastener <a href="#">(Note 11)</a>                                | Attachment   |                           |
| 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. 60-inch o.c. | One or more layers, any combination | Prelim. attached                | VersiWeld, VersiWeld HS or VersiWeld Plus | Verisco Purlin Fastener or RetroDriller Fastener with HPV-X Plate | VersiWeld TPO 10-inch Pressure-Sensitive 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 7F: RECOVER APPLICATIONS**
**SYSTEM TYPE E-1: NON-INSULATED, MECHANICALLY ATTACHED ROOF COVER**

| System No. | Deck <a href="#">(Note 1)</a>      | Roof Cover <a href="#">(Note 15)</a>          |   |                  |           |                 |                  | MDP <a href="#">(psf)</a> |
|------------|------------------------------------|---|---|------------------|-----------|-----------------|------------------|---------------------------|
|            |                                    | Membrane                                      | Fastener <a href="#">(Note 11)</a>  | Fastener Spacing | Lap Width | Lap Spacing     | Seam Weld        |                           |
| R-61       | Existing steel deck                | VersiFleece AC TPO or VersiFleece TPO         | HPV-X Fastener with HPV-X 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-62       | Existing steel deck                | VersiFleece AC TPO or VersiFleece TPO         | HPV-XL Fastener with HPV-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-63       | Existing steel deck, min. Grade 80 | VersiFleece AC TPO or VersiFleece TPO         | HPV-X Fastener with HPV-X 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-64       | Existing steel deck, min. Grade 80 | VersiFleece AC TPO or VersiFleece TPO         | HPV-X Fastener with HPV-X 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-65       | Existing steel deck, min. Grade 80 | VersiFleece AC TPO 155 or VersiFleece TPO 135 | HPV-XL Fastener with HPV-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-66       | Existing structural concrete       | VersiFleece AC TPO or VersiFleece TPO         | MP 14-10 Fastener with HPV-X 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-67       | Existing structural concrete       | VersiFleece AC TPO or VersiFleece TPO         | MP 14-10 or CD-10 Fastener with HPV-X 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 7G: 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). 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> )   | Roof Cover ( <a href="#">Note 15</a> ) |   | MDP<br>(psf)* <sup>A</sup> |
|---|---|--|---|----------------------------|
|   |   | Type                                   | Attach  |                            |
| <b>VERSIWELD FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):</b> |   |  |   |                            |
| R-68  | Existing, fully-adhered EPDM  | VersiFleece TPO                        | Flexible DASH or Flexible DASH DT (RIBBON, 6)           | -75.0                      |
| R-69  | 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 | VersiFleece TPO                        | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | -177.0                     |
| <b>VERSIWELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):</b>    |   |  |   |                            |
| R-70  | 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 | VersiFleece TPO                        | Flexible DASH (FULL)                                    | -177.0                     |
| R-71  | Existing fully adhered TPO single ply   | VersiFleece TPO                        | Flexible DASH DT (FULL)                                 | -270.0                     |
| R-72  | Existing, fully-adhered EPDM  | VersiFleece TPO                        | Flexible DASH or Flexible DASH DT (FULL)                | -315.0                     |
| R-73  | Existing fully adhered, granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR) or granule-surfaced modified bitumen  | VersiFleece AC TPO                     | Hot Asphalt   | -367.5                     |
| R-74  | 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 | VersiFleece TPO                        | Flexible DASH DT (FULL)                                 | -635.0                     |

**TABLE 7H: 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)   |  | Roof Cover (Note 15) |   | MDP (psf)* <sup>A</sup> |
|--|---|--|----------------------|---|-------------------------|
|  | Existing Roof   | Lightweight Concrete (Note 14)   | Type                 | Attach  |                         |
| <b>VERSIWELD OR VERSIWELD HS MEMBRANE APPLICATIONS:</b>    |   |  |                      |   |                         |
| R-75   | Existing gravel surface BUR   | CELCORE (NOA 18-0717.05): Min. 300 psi, Min. 2-inch thick, Celcore Cellular Concrete or Celcore MF Cellular Concrete (EPS board optional)  | VersiWeld            | Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -75.0                   |
| R-76   | Existing mineral surface cap sheet, smooth surface BUR or smooth surface modified cap sheet | CELCORE (NOA 18-0717.05): Min. 300 psi, Min. 2-inch thick, Celcore Cellular Concrete (EPS board optional)                                  | VersiWeld            | Aqua Base 120   | -82.5                   |
| R-77   | Existing mineral surface cap sheet, smooth surface BUR or smooth surface modified cap sheet | CELCORE (NOA 18-0717.05): Min. 300 psi, Min. 2-inch thick, Celcore Cellular Concrete (EPS board optional)                                  | VersiWeld            | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                | -135.0                  |
| R-78   | Existing mineral surface cap sheet  | CELCORE (NOA 18-0717.05): Min. 36 pcf wet cast density, min. 300 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional). | VersiWeld            | Aqua Base 120, Cav-Grip 3V A/P, LVOC BA or VersiWeld BA | -135.0                  |
| R-79   | Existing smooth surface BUR or smooth surface modified cap sheet                            | CELCORE (NOA 18-0717.05): Min. 36 pcf wet cast density, min. 300 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional). | VersiWeld            | Aqua Base 120   | -217.5                  |
| R-80   | Existing smooth surface BUR or smooth surface modified cap sheet                            | CELCORE (NOA 18-0717.05): Min. 36 pcf wet cast density, min. 300 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional). | VersiWeld            | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                | -262.5                  |
| R-81   | Existing asphalt BUR  | CONCRECEL (NOA 21-1229.06): Min. 350 psi, min. 2-inch thick, Concrecel Lightweight Insulating Concrete (EPS board optional)                | VersiWeld            | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                | -375.0                  |
| R-82   | 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)                                | VersiWeld            | Aqua Base 120   | -67.5                   |
| R-83   | 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)                                | VersiWeld            | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                | -302.5                  |
| R-84   | 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)                                | VersiWeld            | Cav-Grip 3V A/P, LVOC BA or VersiWeld BA                | -342.0                  |
| <b>VERSI FLEECE TPO MEMBRANE APPLICATIONS (FULL BOND):</b> |   |  |                      |   |                         |
| R-85   | Existing gravel surface BUR   | CELCORE (NOA 18-0717.05): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional). | VersiFleece TPO      | Flexible DASH or Flexible DASH DT (FULL)                | -75.0                   |
| R-86   | Existing mineral surface cap sheet  | CELCORE (NOA 18-0717.05): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional). | VersiFleece TPO      | Flexible DASH or Flexible DASH DT (FULL)                | -135.0                  |
| R-87   | Existing smooth surface BUR or smooth surface modified cap sheet                            | CELCORE (NOA 18-0717.05): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional). | VersiFleece TPO      | Flexible DASH or Flexible DASH DT (FULL)                | -232.5                  |
| R-88   | 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)                                | VersiFleece TPO      | Flexible DASH (FULL)                                    | -250.0                  |

**TABLE 8A: HILTI PART / SUPPORT THICKNESS LIMITATIONS<sup>1</sup>**

| HILTI PART                                      | STEEL SUPPORTING MEMBER THICKNESS (INCH) |
|---|--|
| X-ENP-19 L15, X-ENP-19 L15MX or X-ENP-19 L15MXR | $t \geq 0.25$                            |
| X-EDN19 THQ12 or X-EDN19 THQ12M                 | $0.25 \leq t \leq 0.375$                 |
| X-EDNK22 THQ12 or X-EDNK22 THQ12M               | $t = 0.25$                               |
| X-HSN 24  | $0.125 \leq t \leq 0.375$                |
| S-MD 12-24 x 1-5/8 M HWH5                       | $0.125 < t \leq 0.25$                    |

**TABLE 8B: HILTI PART / TYPE B STEEL DECK ATTACHMENT-SPAN LIMITATIONS<sup>1</sup>**

| HILTI PART   | MAX. SPACING (INCH O.C.) | MAX. ALLOWABLE DESIGN PRESSURE (PSF) | MAX. SPAN (INCHES) |             |                   |             |                   |             |
|--|--------------------------|--------------------------------------|--------------------|-------------|-------------------|-------------|-------------------|-------------|
|  |                          |                                      | MIN. 22 GA. STEEL  |             | MIN. 20 GA. STEEL |             | MIN. 18 GA. STEEL |             |
|  |                          |                                      | MIN. 33 KSI        | MIN. 80 KSI | MIN. 33 KSI       | MIN. 80 KSI | MIN. 33 KSI       | MIN. 80 KSI |
| X-ENP-19 L15<br>X-ENP-19 L15MX<br>X-ENP-19 L15MXR<br>X-EDN19 THQ12<br>X-EDN19 THQ12M<br>X-EDNK22 THQ12<br>X-EDNK22 THQ12M<br>X-HSN 24<br>or<br>S-MD 12-24 x 1-5/8 M HWH5 | 12                       | -45.0                                | 72                 | 72          | 72                | 72          | 72                | 72          |
|  | 6                        | -82.5*                               | 72                 | 72          | 72                | 72          | 72                | 72          |
|  | 6                        | -90.0*                               | 68                 | 72          | 72                | 72          | 72                | 72          |
|  | 6                        | -97.5*                               | 63                 | 72          | 72                | 72          | 72                | 72          |
|  | 6                        | -105.0*                              | 59                 | 72          | 72                | 72          | 72                | 72          |
|  | 6                        | -112.5*                              | 55                 | 72          | 67                | 72          | 72                | 72          |
|  | 6                        | -120.0*                              | 51                 | 72          | 63                | 72          | 72                | 72          |
|  | 6                        | -127.5*                              | 48                 | 72          | 59                | 72          | 72                | 72          |
|  | 6                        | -135.0*                              | 45                 | 72          | 56                | 72          | 72                | 72          |
|  | 6                        | -142.5*                              | 43                 | 72          | 53                | 72          | 72                | 72          |
|  | 6                        | -150.0*                              | 41                 | 72          | 50                | 72          | 69                | 72          |
|  | 6                        | -157.5*                              | 39                 | 71          | 48                | 72          | 65                | 72          |
|  | 6                        | -165.0*                              | 37                 | 68          | 46                | 72          | 62                | 72          |
|  | 6                        | -165.0*                              | 35                 | 65          | 44                | 72          | 60                | 71          |
|  | 6                        | -172.5*                              | 34                 | 62          | 42                | 72          | 57                | 68          |
|  | 6                        | -180.0*                              | 33                 | 60          | 40                | 72          | 55                | 65          |
|  | 6                        | -187.5*                              | 31                 | 57          | 39                | 71          | 53                | 62          |
|  | 6                        | -195.0*                              | 30                 | 55          | 37                | 68          | 51                | 60          |
| 6  | -202.5*                  | 29                                   | 53                 | 36          | 66                | 49          | 58                |             |
| 6  | -210.0*                  | 28                                   | 51                 | 36          | 63                | 47          | 56                |             |
| 6  | -217.5*                  | 27                                   | 50                 | 33          | 61                | 46          | 54                |             |
| 6  | -225.0*                  | 26                                   | 48                 | 32          | 59                | 44          | 52                |             |

\*Limited to fully or partially adhered roof coverings.

<sup>1</sup> Information is provided as guidance for use at the discretion of the Designer or Record and Authority Having Jurisdiction. Neither NEMO|etc. nor Robert Nieminen, P.E. purport to evaluate Hilti fasteners for compliance with the Florida Building Code.