



NEMO|etc.

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ENGINEER

TEST

CONSULT

P.E. EVALUATION REPORT (PEER)

Versico Roofing Systems

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

PEER-VRS-002.A.R26

FL14318-R25 (NON-HVHZ)

Date of Issuance: 12/21/2010

Revision 26: 09/02/2025

SCOPE:

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

DESCRIPTION: VersiFlex Roof Systems (NON-HVHZ)

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

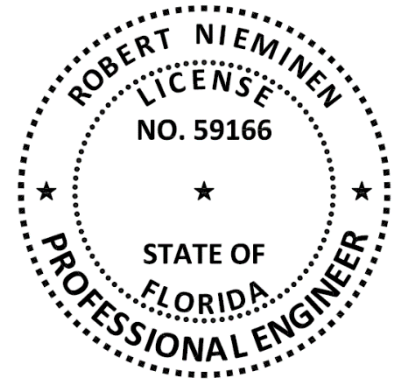
CONTINUED COMPLIANCE: This PEER is valid until such time as the named product(s) changes, the referenced Quality Assurance or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our PEERs by the named client constitutes agreement to notify NEMO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

ADVERTISEMENT: "NEMO P.E. Evaluated" may be displayed in advertising literature. If any portion of the PEER is displayed, then it shall be 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 107-pages of Appendix.

Prepared by:



CERTIFICATION OF INDEPENDENCE:

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

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ROOFING SYSTEMS EVALUATION:

1. SCOPE:

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

2. STANDARDS:

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

3. REFERENCES:

| Entity | Examination | Reference | Date |
|--------------------|-------------------|----------------------|------------|
| NEMO | PEER | PEER-CRL-002.A.R26 | 09/02/2025 |
| UL, LLC. (QUA9625) | Traceability | ML R9853 | 07/19/2017 |
| UL, LLC. (QUA9625) | Quality Assurance | Service Confirmation | 03/14/2025 |
| UL, LLC. (QUA9625) | Quality Assurance | Florida BCIS | Current |

4. PRODUCT DESCRIPTION:

- 4.1 This PEER covers **VersiFlex Roof Systems** installed in accordance with **Versico Roofing Systems** published installation instructions and the [Limitations of Use](#) herein.
- 4.1.1 For products listed as **NEMO Certified**, consult [Directory of Certified Products](#) for allowable production location(s).

TABLE 1: EVALUATED MEMBRANES

| TYPE | PRODUCT | | MATERIAL STANDARD | | | PLANT(s) |
|-----------------------|---------------------|----------------|-------------------|----------|-------|---------------------------|
| | | | REFERENCE | TYPE | GRADE | |
| ROOF COVER OR CAP PLY | VersiFlex PVC | 50, 60, 80-mil | ASTM D4434 | III & IV | N/A | Certified |
| | VersiFlex FRS PVC | 60, 80-mil | ASTM D4434 | II | N/A | Certified |
| | VersiFlex KEE HP | 50, 60, 80-mil | ASTM D4434 | III | N/A | Certified |
| | VersiFleece PVC | 60, 80-mil | ASTM D4434 | III | N/A | Certified |
| | VersiFleece FRS PVC | 60, 80-mil | ASTM D4434 | III | N/A | IL |
| | VersiFleece KEE HP | 60, 80-mil | ASTM D4434 | III | N/A | Certified |
| | VersiFleece RL PVC | 60, 80-mil | ASTM D4434 | III | N/A | Certified |

5. LIMITATIONS:

- 5.1 This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this PEER, or previous versions thereof, is/was used for permitting or design guidance. PEERs are not to be construed as representing any attributes not specifically listed, nor are PEERs to be construed as an endorsement of the subject, or a recommendation for its use. There is no warranty by NEMO ETC, LLC or Robert Nieminen, P.E., express or implied, as to any finding or other matter in this PEER, or as to any product covered by the PEER.
- 5.2 This PEER is not for use in FBC High Velocity Hurricane Zone jurisdictions, as defined in FBC Chapter 2 (Broward and Miami-Dade Counties).
- 5.3 This PEER pertains to above-deck roof components. Roof decks and structural members shall be in accordance with requirements of the applicable Code to the satisfaction of the Authority Having Jurisdiction.
- 5.4 This PEER does not include evaluation of fire classification. Refer to **FBC or IBC 1505** for requirements and limitations regarding roof assembly fire classification. Refer to **FBC or IBC 2603** for requirements and limitations concerning the use of foam plastic insulation.
- 5.5 This PEER does not include evaluation of roof edge termination. Refer to **FBC or IBC 1504.5** for requirements and limitations regarding edge securement for low-slope roofs.
- 5.6 Refer to **FBC or IBC 1511** for requirements and limitations regarding recover installations.
- 5.6.1 For mechanically attached components over existing roof decks, fasteners shall be tested in the existing deck for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with [ANSI/SPRI FX-1](#) or [Testing Application Standard TAS 105](#).
- 5.6.2 For bonded insulation or membrane over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with [ANSI/SPRI IA-1](#), [ASTM E907](#), [FM Loss Prevention Data Sheet 1-52](#) or [Testing Application Standard TAS 124](#) shall be conducted on mock-ups of the proposed new roof assembly.
- 5.6.3 For bonded insulation or membrane over existing substrates in a recover installation, the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with [ASTM E907](#), [FM Loss Prevention Data Sheet 1-52](#) or [Testing Application Standard TAS 124](#).
- 5.7 Refer to Appendix 1 for system attachment requirements for wind load resistance.
- 5.7.1 “MDP” = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety per **FBC or IBC 1504.9** has already been applied). Refer to **FBC or IBC 1609** for determination of design wind loads.
- 5.7.2 For mechanically attached components or partially-bonded insulation, the maximum design pressure for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with **FBC or IBC Chapter 16**. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are [ANSI/SPRI WD1](#), [FM Loss Prevention Data Sheet 1-29](#), [Roofing Application Standard RAS 117](#) or [RAS 137](#). Assemblies marked with an asterisk* carry the limitations set forth in **Section 2.2.10.1 of FM Loss Prevention Data Sheet 1-29 (February 2020)** for Zone 2/3 enhancements.
- 5.7.3 For assemblies with all components fully bonded in place, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with **FBC or IBC Chapter 16**. No rational analysis is permitted for these systems.

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

6. INSTALLATION:

VersiFlex Roof Systems shall be installed in accordance with **Versico 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

- THE 107-PAGES THAT FOLLOW FORM PART OF THIS PEER -

APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE

| TABLE | DECK | APPLICATION | TYPE | DESCRIPTION | PAGE |
|-----------------------|--|---------------------------------|------|---|------|
| 1A | Wood | New, Reroof (Tear-Off) | A-1 | Bonded Insulation, Bonded Roof Cover | 9 |
| 1B | Wood | New, Reroof (Tear-Off), Recover | B-1 | Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover | 11 |
| 1C | Wood | New, Reroof (Tear-Off), Recover | B-1 | Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Base Ply, Bonded Roof Cover | 14 |
| 1D | Wood | New, Reroof (Tear-Off), Recover | C-1 | Mechanically Attached Insulation, Bonded Roof Cover | 14 |
| 1E | Wood | New, Reroof (Tear-Off), Recover | C-2 | Induction Welded Roof Cover | 19 |
| 1F | Wood | New, Reroof (Tear-Off), Recover | D-1 | Insulated, Mechanically Attached Roof Cover | 21 |
| 1G | Wood | New, Reroof (Tear-Off), Recover | G | Optional Insulation, Loose-Laid Roof Cover, Pressure Equalizing Vent | 21 |
| 2A | Steel | New or Reroof (Tear-Off) | A-1 | Bonded Insulation, Bonded Roof Cover | 22 |
| 2B | Steel or Structural Concrete | New, Reroof (Tear-Off), Recover | B-1 | Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover | 24 |
| 2C | Steel or Structural Concrete | New, Reroof (Tear-Off), Recover | B-1 | Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Base Ply, Bonded Roof Cover | 35 |
| 2D | Steel | New, Reroof (Tear-Off), Recover | B-2 | Mechanically Attached Thermal Barrier, Bonded Vapor Barrier, Bonded Insulation, Bonded Roof Cover | 35 |
| 2E | Steel or Structural Concrete | New, Reroof (Tear-Off), Recover | C-1 | Mechanically Attached Insulation, Bonded Roof Cover | 39 |
| 2F | Steel | New, Reroof (Tear-Off), Recover | C-2 | Induction Welded Roof Cover | 53 |
| 2G | Steel or Structural Concrete | New, Reroof (Tear-Off), Recover | D-1 | Insulated, Mechanically Attached Roof Cover | 55 |
| 3A | Structural Concrete | New, Reroof (Tear-Off) | A-1 | Bonded Insulation, Bonded Roof Cover | 59 |
| 3B | Structural Concrete | New, Reroof (Tear-Off) | A-1 | Bonded Insulation, Bonded Base Ply, Bonded Roof Cover | 74 |
| 3C | Structural Concrete | New, Reroof (Tear-Off), Recover | C-2 | Induction Welded Roof Cover | 75 |
| 3D | Structural Concrete | New, Reroof (Tear-Off) | F | Non-Insulated, Bonded Roof Cover | 76 |
| 3E | Structural Concrete | New, Reroof (Tear-Off), Recover | G | Optional Insulation, Loose-Laid Roof Cover, Pressure Equalizing Vent | 76 |
| 4A | Deck with Lightweight concrete | New, Reroof (Tear-Off) | A-1 | Bonded Insulation, Bonded Roof Cover | 77 |
| 4B-1 | Deck with Lightweight concrete | New | F | LWC to Steel Deck, Bonded Bareback Roof Cover | 83 |
| 4B-2 | Deck with Lightweight concrete | New, Reroof (Tear-Off) | F | LWC to Steel Deck, Bonded Fleeceback Roof Cover | 84 |
| 4C-1 | Deck with Lightweight concrete | New | F | LWC to Concrete Deck, Bonded Bareback Roof Cover | 86 |
| 4C-2 | Deck with Lightweight concrete | New, Reroof (Tear-Off) | F | LWC to Concrete Deck, Bonded Fleeceback Roof Cover | 86 |
| 4D | Pre-Existent Lightweight concrete | Reroof (Tear-Off) | F | LWC, Bonded Fleeceback Roof Cover | 87 |
| 5A | Cementitious wood fiber | New, Reroof (Tear-Off) | A-1 | Bonded Insulation, Bonded Roof Cover | 88 |
| 5B | Cementitious wood fiber | New, Reroof (Tear-Off), Recover | B-3 | Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover | 91 |
| 5C | Cementitious wood fiber | New | F | Non-Insulated, Bonded Roof Cover | 91 |
| 6A | Existing gypsum | Reroof (Tear-Off) | A-1 | Bonded Insulation, Bonded Roof Cover | 92 |
| 6B | Existing gypsum | Reroof (Tear-Off) | F | None-Insulated, Bonded Roof Cover | 95 |
| 7A | Various | Recover | A-1 | Bonded Insulation, Bonded Roof Cover | 96 |
| 7B | Various | Recover | A-1 | Bonded Insulation, Bonded Base Ply, Bonded Roof Cover | 103 |
| 7C | Steel | Recover | C-2 | Induction Welded Roof Cover | 104 |
| 7D | Steel | Recover | D-1 | Insulated, Mechanically Attached Roof Cover | 105 |
| 7E | Various | Recover | F | Non-Insulated, Bonded Roof Cover | 106 |
| 8A/8B | Guidance / Limitations for use of Hilti fasteners in Type B steel deck securement beneath Versico roof systems | | | | 107 |

The following notes apply to the systems outlined herein:

- 1 The roof system evaluation herein pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC or IBC requirements to the satisfaction of the Authority Having Jurisdiction.
 - As-tested roof cover performance in accordance with FM 4474 and TAS 114, Appendix J indicates min. 22 ga., Type B, Grade 40 steel deck at max. 6 ft spans attached with 5/8-inch diameter puddle welds spaced 6" o.c., with deck side laps secured max. 24" o.c. w/ 1/2"-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.

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

| FASTENER/PLATE OPTIONS | | | |
|------------------------|---------|--|---|
| DECK TYPE | BY | PARTS | MINIMUM ENGAGEMENT |
| WOOD | Versico | HPV Fastener with HPV Insulation Fastening Plate | Minimum 3/4-inch plywood penetration or minimum 1-inch wood plank embedment |
| STEEL | Versico | HPV Fastener with HPV Insulation Fastening Plate | Minimum 3/4-inch steel penetration and engage the top flute of the steel deck |
| STRUCTURAL CONCRETE | Versico | MP 14-10 Concrete Fastener, CD-10 Concrete Fastener or MP Concrete Spike with HPV Insulation Fastening Plate | Minimum 1-inch embedment. Fastener installed with a pilot hole in accordance with the fastener manufacturer's published installation instructions |

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

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

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

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

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

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

| MEMBRANE / ADHESIVE COMBINATIONS | | | |
|--|---|---|---|
| MEMBRANE | ADHESIVE | APPLICATION | RATE |
| VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | VersiFlex Low VOC PVC Bonding Adhesive | Contact (both sides) | 0.83 gal/square per surface [(1.66 gal/square (60 ft ² /gal) finish] |
| VersiFlex PVC or VersiFlex FRS PVC | Versico Aqua Base 120 Bonding Adhesive | Contact (both sides) | 0.42 to 0.5 gal/square per surface [(0.83 to 1.0 gal/square (100 to 120 ft ² /gal) finish] |
| VersiFlex PVC or VersiFlex FRS PVC | HydroBond Water-Based PVC BA (HydroBond WB) | Wet lay (substrate) | 0.75 to 1 gal/square (100 to 133 ft ² /gal) |
| VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | Contact (both sides) | 3.0 lb/square per surface (~800 ft ² /standard cylinder per finished surface) |
| | Note: | <i>CAV-GRIP PVC Adhesive is an acceptable alternate to Low VOC PVC Bonding Adhesive when used to fully adhere VersiFlex PVC or VersiFlex FRS PVC to DensDeck Prime, DuraStorm VSH, VersiCore, SecurShield, SecurShield HD, SecurShield HD Plus, SecurShield HD Composite, SECUROCK Gypsum-Fiber Roof Board or DuraFaceR. CAV-GRIP PVC Adhesive is not for use with Detec Systems "TruGround Conductive Primer".</i> | |
| VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Versico Aqua Base 120 Bonding Adhesive | Wet lay (substrate) | 0.83 gal/square (120 ft ² /gal) |
| VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | HydroBond Water-Based Adhesive (HydroBond WB) | Wet lay (substrate) | 0.75 to 1 gal/square (100 to 133 ft ² /gal) |
| VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH | Wet lay (substrate) | RIBBON spaced as noted herein or FULL Coverage = 1 gal/square or continuous ribbons, maximum 4-inch o.c. or splatter-applied at 0.5 gal/square (wet) = 4.7 lb/square (dry) |
| VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH Dual-Tank (DT) | Wet lay (substrate) | RIBBON spaced as noted herein or FULL Coverage = 1 gal/square; continuous ribbons, max. 4-inch o.c. or splatter-applied at 0.4 gal/square (wet) = 3.7 lb/square (dry) |
| VersiFleece RL PVC | VELCRO® Brand Securable 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. For assemblies using "TreadSafe" plates, the minimum insulation thickness shall be 2-inches.
- 15C For System Types A-1, B-1, B-2, B-3 or C-1 involving VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP adhered in VersiFlex Low VOC PVC Bonding Adhesive over VersiCore, SecurShield, SecurShield HD or SecurShield HD Plus, the top insulation layer may be optionally primed with Detec Systems "TruGround Conductive Primer", roller-applied at 0.4 gal/square prior to membrane installation.
- 15D For System Types C-2, D-1 or D-2, the top insulation layer may be optionally primed with Detec Systems "TruGround Conductive Primer", roller-applied at 0.4 gal/square prior to membrane installation. For System Type C-2, do not contaminate the induction weld stress plate with primer.

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

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

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

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

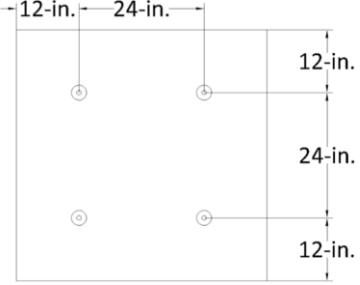
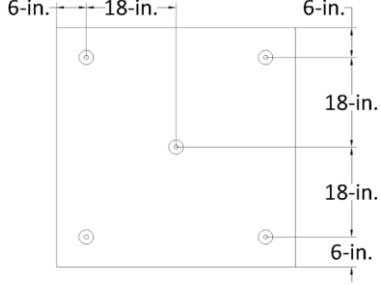
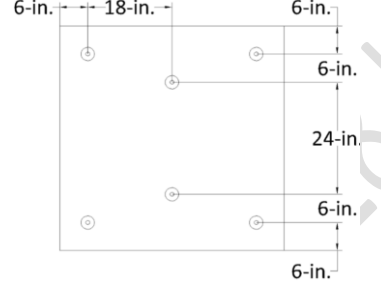
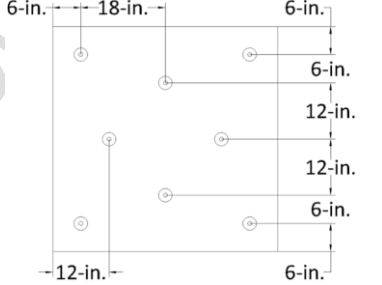
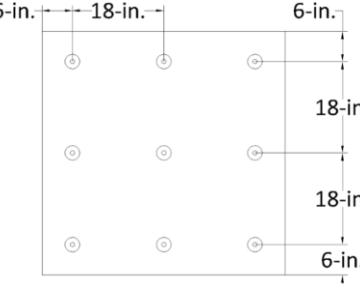
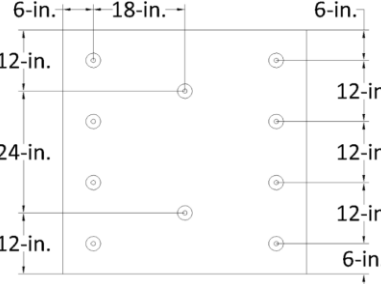
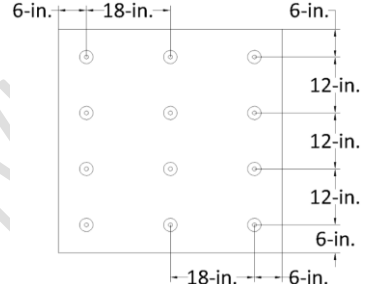
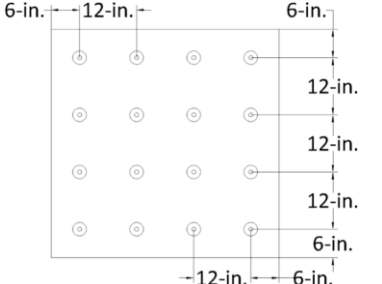
| TECTUM PLANK DECK: VAPOR BARRIER FOLLOWED BY ADHESIVE-APPLIED INSULATION | | | | | |
|--|--|--|---------------|---|--------------|
| OPTION # | PRIMER | VAPOR BARRIER | | INSULATION ADHESIVE PER TABLE 5A (NOTES 6,7&8) | MDP (psf) |
| | | TYPE | APPLICATION | | |
| CWF-VB-1. | Cav-Grip 3V Adhesive/Primer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

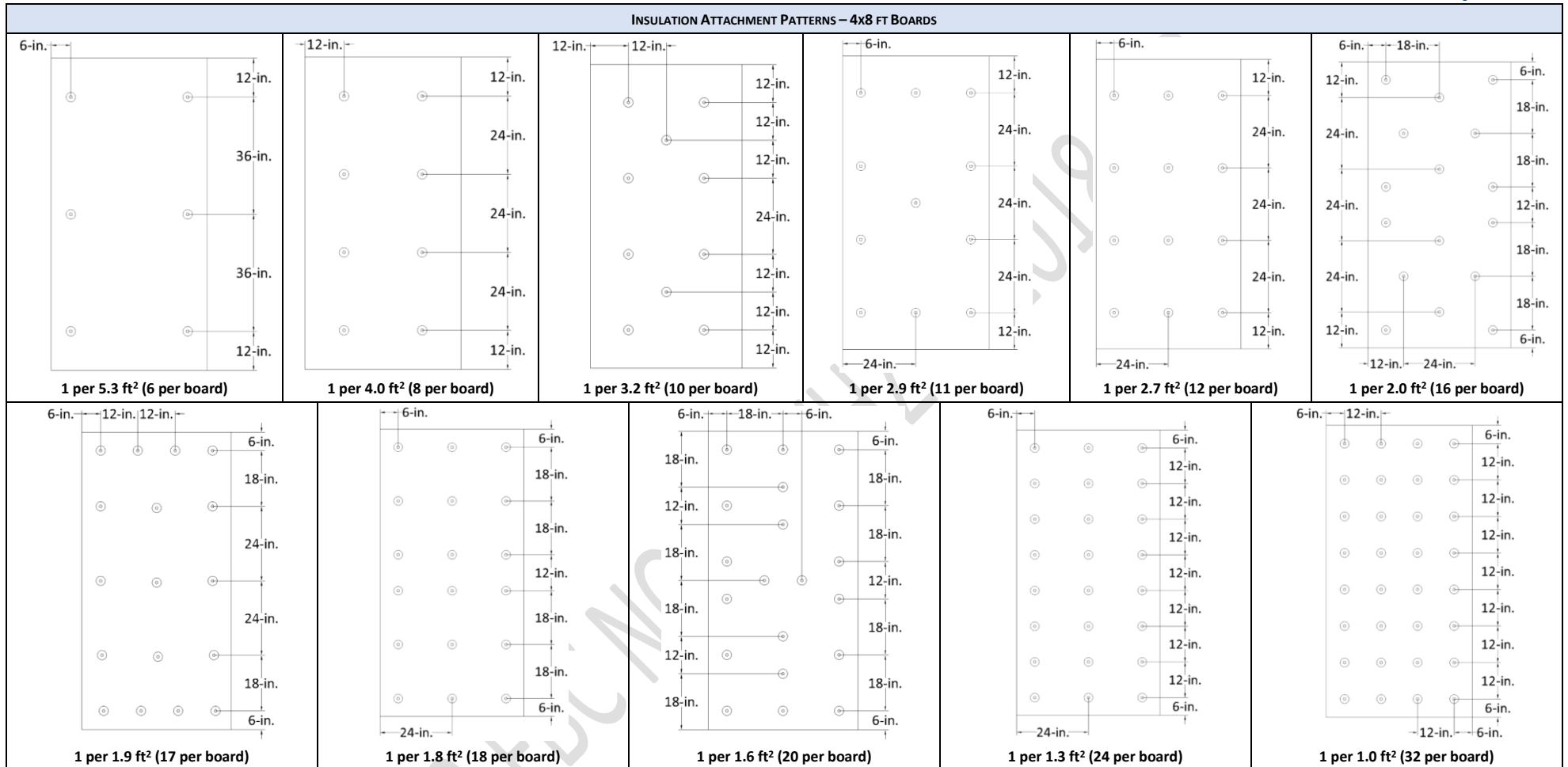
16C **Existing Gypsum Decks:** The lesser of the MDP listings below vs. that for the selected assembly applies.

| EXISTING GYPSUM DECK: VAPOR BARRIER FOLLOWED BY ADHESIVE-APPLIED INSULATION | | | | | |
|---|-----------------------------|---------------|---------------|---|---------------|
| OPTION # | PRIMER | VAPOR BARRIER | | INSULATION ADHESIVE PER TABLE 6A (NOTES 6,7&8) | MDP (psf)* |
| | | TYPE | APPLICATION | | |
| GYP-VB-1. | Cav-Grip 3V Adhesive/Primer | Versico 725TR | Self-adhering | Flexible DASH (RIBBON) or Flexible DASH DT (RIBBON) | -187.5 |
| GYP-VB-2. | 702 Primer, 702 LV Primer | Versico 725TR | Self-adhering | Flexible DASH (RIBBON) or Flexible DASH DT (RIBBON) | -247.5 |

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

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

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



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

| ACCEPTABLE ALTERNATES | | | | |
|-----------------------|-----------------------------|---------------------------------|---|----------|
| SUB-CATEGORY | By | LISTED PRODUCT HEREIN | ALTERNATE | FBC FILE |
| ADHESIVES | Versico | OB500 | OMG OlyBond 500 Adhesive Fastener | FL1608 |
| ROOFING INSULATION | Versico | VersiCore | VersiCore NH, H-Shield, H-Shield NH | FL5968 |
| | | 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 | FL1250 |
| | National Gypsum | DEXcell FA Glass Mat Roof Board | DEXcell FA VSH Glass Mat Roof Board | FL17840 |

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

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

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

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

| System No. | Deck (Note 1) | Vapor Barrier | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) | |
|---|--|---------------|---|--|--|--|--|--|------------------------------|--|
| | | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | | |
| W-8. | Min. 15/32-inch APR rated CDX plywood; 2 ft span | None | (Optional) Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch 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) | VersiFlex PVC or VersiFlex FRS PVC | HydoBond WB | -67.5 | |
| W-9. | 7/16-inch APA rated OSB; 2 ft span | None | Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | (Optional) Additional layer(s) base insulation | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -45.0* | |
| W-10. | 7/16-inch APA rated OSB; 2 ft span | None | (Optional) Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, 0.4375-inch DEXcell Cement 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) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -45.0* | |
| W-11. | Min. 15/32-inch APR rated CDX plywood; 2 ft span | None | Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | (Optional) Additional layer(s) base insulation | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -67.5 | |
| W-12. | Min. 15/32-inch APR rated CDX plywood; 2 ft span | None | (Optional) Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch 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) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -67.5 | |
| VERSIFLEECE MEMBRANE APPLICATIONS (FULL BOND): | | | | | | | | | | |
| W-13. | 7/16-inch APA rated OSB; 2 ft span | None | Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | (Optional) Additional layer(s) base insulation | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0* | |

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

| System No. | Deck (Note 1) | Vapor Barrier | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|------------|--|---------------|---|--|--|--|--|--|------------------------------|
| | | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| W-14. | 7/16-inch APA rated OSB; 2 ft span | None | (Optional) Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, 0.4375-inch DEXcell Cement 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 PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0* |
| W-15. | Min. 15/32-inch APR rated CDX plywood; 2 ft span | None | Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | (Optional) Additional layer(s) base insulation | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -67.5 |
| W-16. | Min. 15/32-inch APR rated CDX plywood; 2 ft span | None | (Optional) Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch 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 PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -67.5 |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf) |
|-------------------------------|---|---|---|-------------------------------------|---|--|---|------------------------------|
| | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | Type | Attach (Notes 6,7,8) | | |
| BAREBACK APPLICATIONS: | | | | | | | | |
| W-17. | Min. 19/32-inch CDX plywood or wood plank; 2-ft spans | Min. 2-inch VersiCore, H-Shield, SecurShield or H-Shield CG | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.7 ft ² | Additional layer(s), min. 1.5-inch base insulation | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC in CAV-GRIP PVC Adhesive, HydroBond WB or Low VOC PVC BA or VersiFlex KEE HP in Low VOC PVC BA | -37.5 |
| W-18. | Min. 19/32-inch CDX plywood or wood plank; 2-ft spans | Min. 2-inch VersiCore, H-Shield, SecurShield or H-Shield CG | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.7 ft ² | <u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, 0.4375-inch DEXcell Cement 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) | VersiFlex PVC or VersiFlex FRS PVC in CAV-GRIP PVC Adhesive, HydroBond WB or Low VOC PVC BA or VersiFlex KEE HP in Low VOC PVC BA | -37.5 |

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

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

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf) |
|--------------------------------------|---|---|--|---------------------------------------|---|--|---|--------------------------------|
| | | Type | Fastener (Note 2 , Note 11) | Attach (Note 17) | Type | Attach (Notes 6,7,8) | | |
| W-25. | Min. 19/32-inch CDX plywood or wood plank; 2-ft spans | Min. 2-inch VersiCore, H-Shield, SecurShield or H-Shield CG | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.7 ft ² | <u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, 0.4375-inch DEXcell Cement 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 PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -37.5 |
| W-26. | Min. 19/32-inch CDX plywood or wood plank; 2-ft spans | Min. 2-inch VersiCore, H-Shield, SecurShield or H-Shield CG | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.0 ft ² | Additional layer(s), min. 1.5-inch base insulation | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -60.0 |
| W-27. | Min. 19/32-inch CDX plywood or wood plank; 2-ft spans | Min. 2-inch VersiCore, H-Shield, SecurShield or H-Shield CG | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch 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 PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -60.0 |
| VERSIFLEECE RL™ APPLICATIONS: | | | | | | | | |
| W-28. | Min. 19/32-inch CDX plywood or wood plank; 2-ft spans | Min. 2-inch VersiCore, H-Shield, SecurShield or H-Shield CG | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.7 ft ² | <u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD RL or min. 1.5-inch VersiCore RL | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece RL PVC | -37.5 |
| W-29. | Min. 19/32-inch CDX plywood or wood plank; 2-ft spans | Min. 2-inch VersiCore, H-Shield, SecurShield or H-Shield CG | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD RL or min. 1.5-inch VersiCore RL | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece RL PVC | -60.0 |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|---|---|---|---|----------------------------------|---|--|--------------------------------------|---|---------------------------|
| | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | Type | Attach (Notes 6,7,8) | Base Ply | Cap Ply | |
| VERSIFLEECE APPLICATIONS (PARTIAL BOND): | | | | | | | | | |
| W-30. | Min. 19/32-inch CDX plywood or wood plank; 2-ft spans | Min. 2-inch VersiCore, H-Shield, SecurShield or H-Shield CG | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.7 ft ² | <u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | SureMB 90TG or 120TG / torch-applied | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -37.5 |
| W-31. | Min. 19/32-inch CDX plywood or wood plank; 2-ft spans | Min. 2-inch VersiCore, H-Shield, SecurShield or H-Shield CG | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | SureMB 90TG or 120TG / torch-applied | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | -60.0 |

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

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|-------------------------------|---|--|--|---|----------------------------------|--|---------------------------|
| | | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | | |
| BAREBACK APPLICATIONS: | | | | | | | |
| W-32. | Min. 19/32-inch CDX plywood or wood plank; 2 ft span | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Versico Insultite with SecurFast Insulation Fastening Plate | 1 per 2.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -30.0 |
| W-33. | Min. 19/32-inch CDX plywood or wood plank; 2-ft spans | (Optional) One or more layers, any combination, loose laid | Min. 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 2.7 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -37.5 |
| W-34. | Min. 19/32-inch CDX plywood or wood plank; 2 ft span | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -37.5 |
| W-35. | Min. 19/32-inch CDX plywood or wood plank; 2 ft span | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime | Versico Insultite with HPV Insulation Fastening Plate | 1 per 4.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -45.0* |
| W-36. | Min. 19/32-inch CDX plywood or wood plank; 2 ft span | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH | Versico Insultite with HPV Insulation Fastening Plate | 1 per 4.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -45.0* |

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

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|---|--|---|-------------------------------------|--|--------------|
| | | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | | |
| W-37. | Min. 19/32-inch CDX plywood or wood plank; 2 ft span | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.7 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -45.0 |
| W-38. | Min. 23/32-inch plywood | (Optional) One or more layers | Min. 1.5-inch VersiCore, SecurShield | Note 2 | 1 per 2.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -45.0* |
| W-39. | Min. 23/32-inch plywood | Min. 1.0-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACFoam II | Min. 0.25-inch DensDeck Prime | Note 2 | 1 per 2.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -45.0* |
| W-40. | Min. 23/32-inch plywood | (Optional) One or more layers | Min. 1-inch VersiCore, SecurShield | Note 2 | 1 per 1.6 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -45.0* |
| W-41. | Min. 19/32-inch CDX plywood or wood plank; 2-ft spans | (Optional) One or more layers, any combination, loose laid | Min. 2-inch 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 ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -60.0 |
| W-42. | Min. 19/32-inch CDX plywood or wood plank; 2 ft span | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -60.0 |
| W-43. | Min. 19/32-inch CDX plywood or wood plank; 2 ft span | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH | Versico Insultite with HPV Insulation Fastening Plate | 1 per 1.8 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -67.5 |
| W-44. | Min. 19/32-inch CDX plywood or wood plank; 2-ft span | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Versico Insultite with SecurFast Insulation Fastening Plate | 1 per 2.0 ft ² | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP in Low VOC PVC BA | -30.0 |
| W-45. | Min. 19/32-inch CDX plywood or wood plank; 2-ft spans | (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 2.7 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -37.5 |
| W-46. | Min. 19/32-inch CDX plywood or wood plank; 2-ft span | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.0 ft ² | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP in Low VOC PVC BA | -37.5 |
| W-47. | Min. 23/32-inch plywood | Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACFoam II | Min. 0.5-inch Versico Recovery Board | Note 2 | 1 per 1.6 ft ² | VersiFlex PVC or VersiFlex FRS PVC / Aquabase 120 Water Based BA | -37.5* |

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

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|---|--|---|-------------------------------------|--|--------------|
| | | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | | |
| W-48. | Min. 19/32-inch CDX plywood or wood plank; 2-ft span | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime | Versico Insultite with HPV Insulation Fastening Plate | 1 per 4.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -45.0* |
| W-49. | Min. 19/32-inch CDX plywood or wood plank; 2-ft span | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH | Versico Insultite with HPV Insulation Fastening Plate | 1 per 4.0 ft ² | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP in Low VOC PVC BA | -45.0* |
| W-50. | Min. 19/32-inch CDX plywood or wood plank; 2-ft span | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.7 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -45.0 |
| W-51. | Min. 19/32-inch CDX plywood or wood plank; 2-ft span | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.7 ft ² | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP in Low VOC PVC BA | -45.0 |
| W-52. | Min. 23/32-inch plywood | (Optional) One or more layers | Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Note 2 | 1 per 2.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -45.0* |
| W-53. | Min. 23/32-inch plywood | Min. 1.0-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 0.5-inch Versico Recovery Board | Note 2 | 1 per 2.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC / Low VOC PVC BA | -45.0* |
| W-54. | Min. 23/32-inch plywood | Min. 1.0-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 0.25-inch DensDeck Prime | Note 2 | 1 per 2.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -45.0* |
| W-55. | Min. 23/32-inch plywood | Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 0.25-inch DensDeck Prime | Note 2 | 1 per 1.6 ft ² | VersiFlex PVC or VersiFlex FRS PVC / Aquabase 120 Water Based BA | -45.0* |
| W-56. | Min. 23/32-inch plywood | (Optional) One or more layers | Min. 1-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Note 2 | 1 per 1.6 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -45.0* |
| W-57. | Min. 19/32-inch CDX plywood; 2-ft spans | (Optional) One or more layers, any combination, loose laid | Min. 0.4375-inch DEXcell Cement Roof Board | Versico Insultite with HPV Insulation Fastening Plate | 1 per 1.8 ft ² | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP in Low VOC PVC BA | -52.5 |
| W-58. | Min. 19/32-inch CDX plywood or wood plank; 2-ft spans | (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 ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -60.0 |

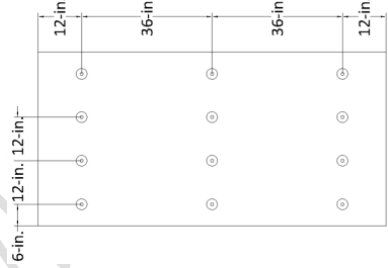
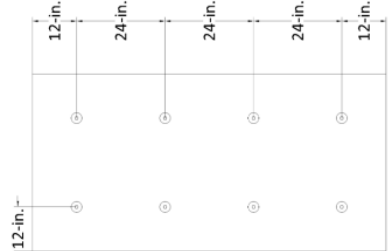
**TABLE 1D: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|--|---|---|--|---|-------------------------------------|--|--------------|
| | | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | | |
| W-59. | Min. 19/32-inch CDX plywood or wood plank; 2-ft span | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -60.0 |
| W-60. | Min. 19/32-inch CDX plywood or wood plank; 2-ft span | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.0 ft ² | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP in Low VOC PVC BA | -60.0 |
| W-61. | Min. 19/32-inch CDX plywood or wood plank; 2-ft span | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime | Versico Insultite with HPV Insulation Fastening Plate | 1 per 1.8 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -67.5 |
| W-62. | Min. 19/32-inch CDX plywood or wood plank; 2-ft span | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH | Versico Insultite with HPV Insulation Fastening Plate | 1 per 1.8 ft ² | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP in Low VOC PVC BA | -67.5 |
| VERSIFLEECE APPLICATIONS (FULL BOND): | | | | | | | |
| W-63. | Min. 19/32-inch CDX plywood or wood plank; 2-ft span | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Versico Insultite with SecurFast Insulation Fastening Plate | 1 per 2.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -30.0 |
| W-64. | Min. 19/32-inch CDX plywood or wood plank; 2-ft spans | (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 2.7 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -37.5 |
| W-65. | Min. 19/32-inch CDX plywood or wood plank; 2-ft span | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -37.5 |
| W-66. | Min. 23/32-inch plywood | (Optional) One or more layers | Min. 1.5-inch VersiCore, SecurShield | Note 2 | 1 per 2.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH (FULL), Flexible DASH DT (FULL) or HydroBond WB | -45.0* |
| W-67. | Min. 23/32-inch plywood | (Optional) One or more layers | Min. 1-inch VersiCore, SecurShield | Note 2 | 1 per 1.6 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH (FULL), Flexible DASH DT (FULL) or HydroBond WB | -45.0* |
| W-68. | Min. 23/32-inch plywood | Min. 1.0-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACFoam II | Min. 0.25-inch DensDeck Prime | Note 2 | 1 per 2.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH (FULL), Flexible DASH DT (FULL) or HydroBond WB | -45.0* |
| W-69. | Min. 19/32-inch CDX plywood or wood plank; 2-ft span | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Versico Insultite with HPV Insulation Fastening Plate | 1 per 4.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0* |

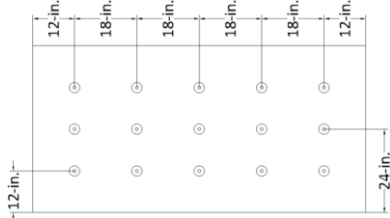
**TABLE 1D: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|--|--|---|-------------------------------------|---|--------------|
| | | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | | |
| W-70. | Min. 23/32-inch plywood | (Optional) One or more layers, any combination, loose laid | Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 3.2 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0* |
| W-71. | Min. 19/32-inch CDX plywood or wood plank; 2-ft span | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.7 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0 |
| W-72. | Min. 19/32-inch CDX plywood; 2-ft spans | (Optional) One or more layers, any combination, loose laid | Min. 0.4375-inch DEXcell Cement Roof Board | Versico Insultite with HPV Insulation Fastening Plate | 1 per 1.8 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -52.5 |
| W-73. | Min. 19/32-inch CDX plywood or wood plank; 2-ft spans | (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 ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -60.0 |
| W-74. | Min. 19/32-inch CDX plywood or wood plank; 2-ft span | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -60.0 |
| W-75. | Min. 19/32-inch CDX plywood or wood plank; 2-ft span | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Versico Insultite with HPV Insulation Fastening Plate | 1 per 1.8 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -67.5 |
| W-76. | Min. 19/32-inch CDX plywood or wood plank at max. 2-ft span | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Versico Insultite with HPV Insulation Fastening Plate | 1 per 2.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -75.0 |

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

| System No. | Deck (Note 1) | Insulation Layer(s) (Note 3, Note 13) | Attachment | | Roof Cover (Note 15B) | MDP (psf) |
|----------------------------|---|---|---|---|--|-----------|
| | | | Fastener (Note 11) | Density / Pattern | | |
| RHINO BOND SYSTEMS: | | | | | | |
| W-77. | Min. 15/32-inch plywood; 2-ft span | (Optional) One or more layers, any thickness or combination | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | 1 per 5.3 ft ² (6 parts per 4 x 8 ft board) | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -22.5* |
| W-78. | OSB, APA rated sheathing, 24/16, Exposure 1, PS2, 7/16 category | (Optional) One or more layers, any combination, loose laid | HPV-X Fastener and RhinoBond Plate-PVC | 1 per 2.7 ft ² (12 parts per 4x8 ft board)  | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -30.0* |
| W-79. | Min. 15/32-inch plywood; 2-ft span | (Optional) One or more layers, any thickness or combination | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | 1 per 4.0 ft ² (2 x 2 ft grid pattern) | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -30.0 |
| W-80. | Min. 15/32-inch plywood; 2-ft span | (Optional) One or more layers, any thickness or combination | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | 1 per 4.0 ft ² (2 x 2 ft grid pattern) | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -37.5* |
| W-81. | Code compliant sheathing over nominal No. 2 wood trusses; 2 ft span | (Optional) One or more layers, any combination, loose laid | HPV-X Fastener and RhinoBond Plate-PVC <u>through to engage wood supports; min. 2-inch embedment.</u> | 24-inch o.c. along wood supports, 24-inch o.c.  | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -37.5* |

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

| System No. | Deck (Note 1) | Insulation Layer(s) (Note 3, Note 13) | Attachment | | Roof Cover (Note 15B) | MDP (psf) |
|------------|---|---|--|--|--|-----------|
| | | | Fastener (Note 11) | Density / Pattern | | |
| W-82. | OSB, APA rated sheathing, 24/16, Exposure 1, PS2, 7/16 category | (Optional) One or more layers, any combination, loose laid | HPV-X Fastener and RhinoBond Plate-PVC | 1 per 2.13 ft ² (15 parts per 4x8 ft board)  | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -45.0* |
| W-83. | Min. 19/32-inch plywood; 2-ft span | (Optional) One or more layers, any thickness or combination | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | 1 per 5.3 ft ² (6 parts per 4 x 8 ft board) | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -45.0* |
| W-84. | Min. 19/32-inch plywood; 2-ft span | (Optional) One or more layers, any thickness or combination | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | 1 per 4.0 ft ² (2 x 2 ft grid pattern) | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -45.0* |
| W-85. | Min. 15/32-inch plywood; 2-ft span | (Optional) One or more layers, any thickness or combination | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | 1 per 2.7 ft ² (12 parts per 4 x 8 ft board) | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -45.0 |
| W-86. | Min. 15/32-inch plywood; 2-ft span | (Optional) One or more layers, any thickness or combination | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | Max. 6" o.c. in rows max. 60" o.c. | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -60.0 |
| W-87. | Min. 19/32-inch plywood; 2-ft span | (Optional) One or more layers, any thickness or combination | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | 1 per 2.7 ft ² (12 parts per 4 x 8 ft board) | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -67.5 |

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

| System No. | Deck (Note 1) | Insulation Layer (Note 3, Note 13) | | Roof Cover | | | | | | MDP (psf) |
|------------|--|--|---------------------------------|--|------------------------------------|------------------------------|------------------|-------------------------|------------------|-----------|
| | | Type | Attach (Note 5) | Membrane | Fastener (Note 11) | Fastener Spacing (inch o.c.) | Lap Width (inch) | Lap Spacing (inch o.c.) | Seam Weld (inch) | |
| W-88. | Min. 19/32-inch CDX plywood or wood plank; 2 ft span | One or more layers, any combination | prelim attach | VersiFlex PVC, VersiFleece PVC, VersiFlex KEE HP or VersiFleece KEE HP | HPV-X Fastener and HPV-X Plate | 12 | 5.5 | 114.5 | 1.5 | -30.0 |
| W-89. | Min. 19/32-inch CDX plywood or wood plank; 2 ft span | One or more layers, any combination | prelim attach | VersiFlex PVC, VersiFleece PVC, VersiFlex KEE HP or VersiFleece KEE HP | HPV-X Fastener and HPV-X Plate | 6 | 5.5 | 114.5 | 1.5 | -45.0 |
| W-90. | Min. 23/32-inch CDX plywood or wood plank; 2-ft span | One or more layers, any combination | prelim. attach | VersiFlex PVC, VersiFleece PVC, VersiFlex KEE HP or VersiFleece KEE HP | HPV-X Fastener and HPV-X Plate | 6 | 5.5 | 75.5 | 1.5 | -52.5 |
| W-91. | Min. 19/32-inch CDX plywood or wood plank; 2-ft span | One or more layers, any combination | prelim. attach | VersiFlex PVC, VersiFleece PVC, VersiFlex KEE HP or VersiFleece KEE HP | HPV-X Fastener and HPV-X Plate | 6 | 5.5 | 75.5 | 1.5 | -60.0 |

**TABLE 1G: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE G: OPTIONAL INSULATION, LOOSE-LAID ROOF COVER, PRESSURE EQUALIZING VENT**

| System No. | Deck (Note 1) | Air Barrier | Insulation | Underlayment | Roof Cover | | MDP (psf) |
|------------|-----------------------------------|--|---|--|-----------------------------------|--|---------------------------|
| | | | | | Type | Attach | |
| W-92. | Min. 15/32-inch, Type B-C plywood | All joints and penetrations sealed with Versico 725TR in accordance with Versico requirements. | (Optional) Any fire classified roof insulation and/or coverboard combination, any thickness, loose-laid with staggered joints | 12-inch wide strips of polypropylene, air permeable filter fabric, loose laid in a crossing pattern, connecting the VacuSeal Vents | VersiFlex PVC or VersiFlex KEE HP | VacuSeal Vent installed in accordance with Versico instructions, spaced maximum 50 ft o.c. | -97.5 |

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

| System No. | Deck (Note 1) | Vapor Barrier | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | MDP (psf) |
|-------------------------------|-------------------------------------|--|--|---|---|--|--|-----------------------|---------------------------|
| | | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| BAREBACK APPLICATIONS: | | | | | | | | | |
| SC-1. | Min. 22 ga., type B, Grade 33 steel | (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, min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -82.5 |
| SC-2. | Min. 22 ga., type B, Grade 33 steel | None | Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange) | None | N/A | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -105.0 |
| SC-3. | Min. 22 ga., type B, Grade 33 steel | (Optional) VapAir Seal MD, self-adhering | Min. 1.5-inch 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) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -67.5 |
| SC-4. | Min. 22 ga., type B, Grade 33 steel | (Optional) VapAir Seal MD, self-adhering | Min. 2-inch 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, min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -82.5 |
| SC-5. | 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) | <u>Additional Insulation Layer(s):</u> (Optional) Min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -82.5 |
| SC-6. | Min. 22 ga., type B, Grade 33 steel | (Optional) VapAir Seal MD, self-adhering | (Optional) Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange) | Min. 2-inch DuraFaceR | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -82.5 |
| SC-7. | Min. 22 ga., type B, Grade 33 steel | (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, min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -82.5 |

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

| System No. | Deck (Note 1) | Vapor Barrier | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | MDP (psf) | |
|---|-------------------------------------|--|--|---|---|--|--|--|---------------------------|--|
| | | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | | |
| SC-8. | Min. 22 ga., type B, Grade 33 steel | (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) | Min. 2-inch DuraFaceR | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -82.5 | |
| SC-9. | Min. 22 ga., type B, Grade 33 steel | None | Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange) | None | N/A | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -105.0 | |
| VERSI FLEECE APPLICATIONS (FULL BOND): | | | | | | | | | | |
| SC-10. | Min. 22 ga., type B, Grade 33 steel | (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 PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -82.5 | |
| SC-11. | Min. 22 ga., type B, Grade 33 steel | (Optional) VapAir Seal MD, self-adhering | (Optional) Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c. @ every deck flange) | Min. 2-inch DuraFaceR | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -82.5 | |
| SC-12. | Min. 22 ga., type B, Grade 33 steel | 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 PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -105.0 | |
| VERSI FLEECE RL PVC APPLICATIONS: | | | | | | | | | | |
| SC-13. | Min. 22 ga., type B, Grade 33 steel | (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 PVC | | -82.5 | |
| SC-14. | 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) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <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 PVC | | -82.5 | |
| SC-15. | Min. 22 ga., type B, Grade 33 steel | 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 PVC | | -105.0 | |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf) |
|-------------------------------|---|---|---|----------------------------------|--|---|--|---------------------------|
| | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | Type | Attach (Notes 6,7,8) | | |
| BAREBACK APPLICATIONS: | | | | | | | | |
| SC-16. | 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 ² | Min. 1.0-inch base insulation | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -45.0* |
| SC-17. | 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 ² | Min. 1.0-inch base insulation | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -45.0* |
| SC-18. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Note 2 | 1 per 3.2 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -45.0* |
| SC-19. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2.0-inch VersiCore, SecurShield | Note 2 | 1 per 4.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -45.0* |
| SC-20. | 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 2.7 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -45.0* |
| SC-21. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 0.5-inch DensDeck followed by min. 2.0-inch Insulfoam VIII | Note 2 | 1 per 2.0 ft ² | Min. 2.0-inch Insulfoam HD Composite | Flexible DASH (RIBBON, 6-inch o.c.) | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -45.0* |
| SC-22. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC (min. 60-mil) or VersiFlex FRS PVC (min. 60-mil) / CAV-GRIP PVC Adhesive | -45.0 |
| SC-23. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFlex PVC (min. 60-mil) or VersiFlex FRS PVC (min. 60-mil) / CAV-GRIP PVC Adhesive | -52.5 |
| SC-24. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC (min. 60-mil) or VersiFlex FRS PVC (min. 60-mil) / CAV-GRIP PVC Adhesive | -60.0 |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|--------------------------------------|---|----------------------------------|--|---|--|---------------------------|
| | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | Type | Attach (Notes 6,7,8) | | |
| SC-25. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.8 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -60.0 |
| SC-26. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFlex PVC (min. 60-mil) or VersiFlex FRS PVC (min. 60-mil) / CAV-GRIP PVC Adhesive | -67.5 |
| SC-27. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore | Note 2 | 1 per 1.6 ft ² | Min. 1.0-inch base insulation | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -67.5 |
| SC-28. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFlex PVC (min. 60-mil) or VersiFlex FRS PVC (min. 60-mil) / CAV-GRIP PVC Adhesive | -75.0 |
| SC-29. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.3 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON, 4-inch o.c.) | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -82.5 |
| SC-30. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (FULL) | VersiFlex PVC (min. 60-mil) or VersiFlex FRS PVC (min. 60-mil) / CAV-GRIP PVC Adhesive | -82.5 |
| SC-31. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (FULL) | VersiFlex PVC (min. 60-mil) or VersiFlex FRS PVC (min. 60-mil) / CAV-GRIP PVC Adhesive | -82.5 |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|---|---|----------------------------------|--|---|--|---------------------------|
| | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | Type | Attach (Notes 6,7,8) | | |
| SC-32. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.3 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON, 4-inch o.c.) | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -90.0 |
| SC-33. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (FULL) | VersiFlex PVC (min. 60-mil) or VersiFlex FRS PVC (min. 60-mil) / CAV-GRIP PVC Adhesive | -112.5 |
| SC-34. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (FULL) | VersiFlex PVC (min. 60-mil) or VersiFlex FRS PVC (min. 60-mil) / CAV-GRIP PVC Adhesive | -135.0 |
| SC-35. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 0.5-inch DensDeck followed by min. 2.0-inch Insulfoam VIII | Note 2 | 1 per 2.7 ft ² | Min. 1.5-inch Insulam (OSB) | Flexible DASH (RIBBON, 6-inch o.c.) | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -37.5* |
| SC-36. | 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 ² | Min. 1.0-inch base insulation | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -45.0* |
| SC-37. | 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 ² | Min. 1.0-inch base insulation | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -45.0* |
| SC-38. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Note 2 | 1 per 3.2 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -45.0* |
| SC-39. | 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 ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -45.0* |
| SC-40. | 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 2.7 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -45.0* |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|---|---|----------------------------------|--|---|--|---------------------------|
| | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | Type | Attach (Notes 6,7,8) | | |
| SC-41. | 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 2.7 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.4375-inch DEXcell Cement Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP in Low VOC PVC BA | -45.0* |
| SC-42. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 0.5-inch DensDeck followed by min. 2.0-inch Insulfoam VIII | Note 2 | 1 per 2.0 ft ² | Min. 2.0-inch Insulfoam HD Composite | Flexible DASH (RIBBON, 6-inch o.c.) | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -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 | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP (min. 60-mil) in Low VOC PVC BA | -45.0 |
| SC-44. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFlex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP (min. 60-mil) in Low VOC PVC BA | -52.5 |
| SC-45. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP (min. 60-mil) in Low VOC PVC BA | -60.0 |
| SC-46. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.4375-inch DEXcell Cement Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA | -60.0 |
| SC-47. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.8 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP in Low VOC PVC BA | -60.0 |
| SC-48. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFlex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP (min. 60-mil) in Low VOC PVC BA | -67.5 |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|---|---|----------------------------------|--|---|--|---------------------------|
| | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | Type | Attach (Notes 6,7,8) | | |
| SC-49. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.4375-inch DEXcell Cement Roof Board | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFlex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA | -67.5 |
| 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 1.6 ft ² | Min. 1.0-inch base insulation | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -67.5 |
| SC-51. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 0.5-inch DensDeck followed by min. 3.0-inch Insulfoam VIII | Note 2 | 1 per 2.0 ft ² | Min. 1.5-inch Insulam (OSB) | DASH DT (RIBBON, 6-inch o.c.) | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -67.5 |
| SC-52. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFlex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP (min. 60-mil) in Low VOC PVC BA | -75.0 |
| SC-53. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.3 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON, 4-inch o.c.) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP in Low VOC PVC BA | -82.5 |
| SC-54. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (FULL) | VersiFlex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP (min. 60-mil) in Low VOC PVC BA | -82.5 |
| SC-55. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (FULL) | VersiFlex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP (min. 60-mil) in Low VOC PVC BA | -82.5 |
| SC-56. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.4375-inch DEXcell Cement Roof Board | Flexible DASH or Flexible DASH DT (FULL) | VersiFlex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA | -82.5 |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|---|---|----------------------------------|--|---|--|---------------------------|
| | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | Type | Attach (Notes 6,7,8) | | |
| SC-57. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.3 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON, 4-inch o.c.) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP in Low VOC PVC BA | -90.0 |
| SC-58. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (FULL) | VersiFlex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP (min. 60-mil) in Low VOC PVC BA | -112.5 |
| SC-59. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.4375-inch DEXcell Cement Roof Board | Flexible DASH or Flexible DASH DT (FULL) | VersiFlex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA | -112.5 |
| SC-60. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (FULL) | VersiFlex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP (min. 60-mil) in Low VOC PVC BA | -135.0 |
| SC-61. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Note 2 | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch Versico Recovery Board | OB500 | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA | -45.0* |
| SC-62. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Note 2 | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | OB500 | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -45.0* |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf) |
|--|---|---|--|----------------------------------|---|--|---|---------------------------|
| | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | Type | Attach (Notes 6,7,8) | | |
| VERSI FLEECE APPLICATIONS (PARTIAL BOND): | | | | | | | | |
| SC-63. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or AC Foam II | Note 2 | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck, DensDeck Prime | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -37.5* |
| SC-64. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 0.5-inch DensDeck or DensDeck Prime | Note 2 | 1 per 2.0 ft ² | Min. 1.5-inch Kingspan GreenGuard Extruded Polystyrene followed by min. 0.25-inch DensDeck Prime | Flexible DASH (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -37.5* |
| VERSI FLEECE APPLICATIONS (FULL BOND): | | | | | | | | |
| SC-65. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 0.5-inch DensDeck followed by min. 2.0-inch Insulfoam VIII | Note 2 | 1 per 2.7 ft ² | Min. 1.5-inch Insulam (OSB) | Flexible DASH (RIBBON), 6-inch o.c. | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -37.5* |
| SC-66. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or AC Foam II | Note 2 | 1 per 2.0 ft ² | Additional layers of base insulation | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH (FULL) or Flexible DASH DT (FULL) | -45.0* |
| SC-67. | 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 ² | Min. 1.0-inch base insulation | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -45.0* |
| SC-68. | 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 ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck or DensDeck Prime | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH (FULL) | -45.0* |
| SC-69. | 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 ² | Min. 1.0-inch base insulation | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -45.0* |
| SC-70. | 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 ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck or DensDeck Prime | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH (FULL) | -45.0* |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|---|--|----------------------------------|--|---|---|---------------------------|
| | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | Type | Attach (Notes 6,7,8) | | |
| SC-71. | 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 2.7 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0* |
| SC-72. | 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 2.7 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.4375-inch DEXcell Cement Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -45.0* |
| SC-73. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 0.5-inch DensDeck followed by min. 2.0-inch Insulfoam VIII | Note 2 | 1 per 2.0 ft ² | Min. 2.0-inch Insulfoam HD Composite | Flexible DASH (RIBBON, 6-inch o.c.) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -45.0* |
| SC-74. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0 |
| SC-75. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -52.5 |
| SC-76. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -60.0 |
| SC-77. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DEXcell FA Glass Mat Roof Board or 0.4375-inch DEXcell Cement Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -60.0 |
| SC-78. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -60.0 |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|---|---|----------------------------------|--|---|---|---------------------------|
| | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | Type | Attach (Notes 6,7,8) | | |
| SC-79. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -67.5 |
| SC-80. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DEXcell FA Glass Mat Roof Board or 0.4375-inch DEXcell Cement Roof Board | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -67.5 |
| SC-81. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -67.5 |
| SC-82. | 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 1.6 ft ² | Min. 1.0-inch base insulation | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -67.5 |
| SC-83. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 0.5-inch DensDeck followed by min. 3.0-inch Insulfoam VIII | Note 2 | 1 per 2.0 ft ² | Min. 1.5-inch Insulam (OSB) | DASH DT (RIBBON, 6-inch o.c.) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -75.0 |
| SC-84. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -75.0 |
| SC-85. | 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 1.6 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 2-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -82.5 |
| SC-86. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.3 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON, 4-inch o.c.) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -82.5 |
| SC-87. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (FULL) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -82.5 |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|------------------------------------|---|----------------------------------|--|---|---|---------------------------|
| | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | Type | Attach (Notes 6,7,8) | | |
| SC-88. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (FULL) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -82.5 |
| SC-89. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DEXcell FA Glass Mat Roof Board or 0.4375-inch DEXcell Cement Roof Board | Flexible DASH or Flexible DASH DT (FULL) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -82.5 |
| SC-90. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Flexible DASH or Flexible DASH DT (FULL) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -82.5 |
| SC-91. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.3 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON, 4-inch o.c.) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -90.0 |
| SC-92. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (FULL) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -112.5 |
| SC-93. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DEXcell FA Glass Mat Roof Board or 0.4375-inch DEXcell Cement Roof Board | Flexible DASH or Flexible DASH DT (FULL) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -112.5 |
| SC-94. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Flexible DASH or Flexible DASH DT (FULL) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -112.5 |
| SC-95. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (FULL) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -135.0 |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf) |
|---|---|--------------------------------------|--|----------------------------------|---|---|---|---------------------------|
| | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | Type | Attach (Notes 6,7,8) | | |
| SC-96. | 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 ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 0.25-inch SECUROCK Gypsum- Fiber Roof Board | OB500 | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -37.5* |
| SC-97. | 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 ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 0.25-inch SECUROCK Gypsum- Fiber Roof Board | OB500 | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -45.0* |
| SC-98. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Note 2 | 1 per 1.6 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 0.25-inch SECUROCK Gypsum- Fiber Roof Board | OB500 | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -60.0 |
| VERSIFLEECE RL PVC APPLICATIONS: | | | | | | | | |
| SC-99. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD RL | Flexible DASH (FULL or SPLATTER) or Flexible DASH DT (FULL) | VersiFleece RL PVC | -45.0* |
| SC-100. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2 | 1 per 1.8 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD RL | Flexible DASH or Flexible DASH DT (FULL) | VersiFleece RL PVC | -52.5 |
| SC-101. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2 | 1 per 1.3 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD RL | Flexible DASH or Flexible DASH DT (FULL) | VersiFleece RL PVC | -82.5 |
| SC-102. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD RL | Flexible DASH or Flexible DASH DT (FULL) | VersiFleece RL PVC | -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 (Note 1) | Base Insulation Layer | | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|--|---|------------------------------------|---|-------------------------------------|--|---|---|---|------------------------------|
| | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | Type | Attach (Notes 6,7,8) | Base Ply | Top Ply | |
| VERSIFLEECE MEMBRANE APPLICATIONS (PARTIAL BOND): | | | | | | | | | |
| SC-103. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 4.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | SureMB 90 Base, SureMB 90 Poly Base or SureMB 120 Poly Base / US Ply Duraflex 901 Premium SBS Modified Adhesive | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0* |
| SC-104. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 4.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | SureMB 90TG or 120TG / torch-applied | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0* |
| SC-105. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch VersiCore, SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | SureMB 90TG or 120TG / torch-applied | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | -75.0 |

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

| System No. | Deck (Note 1) | Thermal Barrier | | | Primer | Vapor Barrier | Base Insulation | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf) |
|-------------------------------|-------------------------------------|---|---|-------------------------------------|-----------------|--|--------------------------------------|---|---|--|---|---------------------------|
| | | Type | Fasten (Note 2, Note 11) | Attach (Note 17) | | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | | |
| BAREBACK APPLICATIONS: | | | | | | | | | | | | |
| SC-106. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum- Fiber Roof Board | Note 2 | 1 per 2.0 ft ² | CAV-GRIP Primer | Versico 725TR, self-adhering | Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum- Fiber Roof Board or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC in CAV-GRIP PVC Adhesive, Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -45.0* |
| SC-107. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum- Fiber Roof Board | Note 2 | 1 per 2.0 ft ² | CAV-GRIP Primer | Versico 725TR, self-adhering | 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) | VersiFlex PVC or VersiFlex FRS PVC in CAV-GRIP PVC Adhesive, Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -45.0* |
| SC-108. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime | Insultite with HPV Insulation Fastening Plate | 1 per 4.0 ft ² | 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) | VersiFlex PVC or VersiFlex FRS PVC / HydroBond | -45.0* |
| SC-109. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime | Insultite with HPV Insulation Fastening Plate | 1 per 4.0 ft ² | 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) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / CAV-GRIP PVC Adhesive or Low VOC PVC BA | -45.0* |
| SC-110. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum- Fiber Roof Board | Note 2 | 1 per 2.0 ft ² | CAV-GRIP Primer | Versico 725TR, self-adhering | Min. 1.5-inch VersiCore, SecurShield | Flexible DASH (RIBBON) | (Optional) Additional layers base insulation | Flexible DASH (RIBBON, 6-inch o.c.) | VersiFlex PVC or VersiFlex FRS PVC in CAV-GRIP PVC Adhesive, Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -52.5 |
| SC-111. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime | Insultite with HPV Insulation Fastening Plate | 1 per 1.6 ft ² | 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) | VersiFlex PVC or VersiFlex FRS PVC in CAV-GRIP PVC Adhesive, Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -67.5 |

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

| System No. | Deck (Note 1) | Thermal Barrier | | | Primer | Vapor Barrier | Base Insulation | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf) |
|---|-------------------------------------|---|---|---------------------------------------|-----------------|--|---|---|---|--|---|--------------|
| | | Type | Fasten (Note 2 , Note 11) | Attach (Note 17) | | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | | |
| SC-112. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime | Insultite with HPV Insulation Fastening Plate | 1 per 1.6 ft ² | 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 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) | VersiFlex PVC or VersiFlex FRS PVC in CAV-GRIP PVC Adhesive, Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -67.5 |
| VERSIFLEECE APPLICATIONS (PARTIAL BOND): | | | | | | | | | | | | |
| SC-113. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum- Fiber Roof Board | Note 2 | 1 per 2.0 ft ² | CAV-GRIP Primer | Versico 725TR, self-adhering | (Optional) Min. 1.5-Inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0* |
| SC-114. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum- Fiber Roof Board | Note 2 | 1 per 2.0 ft ² | CAV-GRIP Primer | Versico 725TR, self-adhering | 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 PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0* |
| SC-115. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum- Fiber Roof Board | Note 2 | 1 per 2.0 ft ² | CAV-GRIP Primer | Versico 725TR, self-adhering | Min. 1.5-inch VersiCore, SecurShield | Flexible DASH (RIBBON) | (Optional) Additional layers base insulation | Flexible DASH (RIBBON, 6-inch o.c.) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | -52.5 |
| VERSIFLEECE APPLICATIONS (FULL BOND): | | | | | | | | | | | | |
| SC-116. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum- Fiber Roof Board | Note 2 | 1 per 2.0 ft ² | CAV-GRIP Primer | Versico 725TR, self-adhering | Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum- Fiber Roof Board or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0* |

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

| System No. | Deck (Note 1) | Thermal Barrier | | | Primer | Vapor Barrier | Base Insulation | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf) |
|---|-------------------------------------|--|---|-------------------------------------|-----------------|--|--------------------------------------|---|---|--|---|------------------------------|
| | | Type | Fasten (Note 2, Note 11) | Attach (Note 17) | | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | | |
| SC-117. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime | Insultite with HPV Insulation Fastening Plate | 1 per 4 ft ² | 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 PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0* |
| SC-118. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 2.0 ft ² | CAV-GRIP Primer | Versico 725TR, self-adhering | Min. 1.5-inch VersiCore, SecurShield | Flexible DASH (RIBBON) | (Optional) Additional layers base insulation | Flexible DASH (RIBBON, 6-inch o.c.) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -52.5 |
| SC-119. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime | Insultite with HPV Insulation Fastening Plate | 1 per 1.6 ft ² | 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 PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -67.5 |
| SC-120. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime | Insultite with HPV Insulation Fastening Plate | 1 per 1.6 ft ² | 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 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) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -67.5 |
| VERSIFLEECE RL PVC APPLICATIONS: | | | | | | | | | | | | |
| SC-121. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime | Insultite with HPV Insulation Fastening Plate | 1 per 1.6 ft ² | 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.) | None | N/A | VersiFleece RL PVC | -67.5 |

| TABLE 2D: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER | | | | | | | | | | | | |
|--|-------------------------------------|------------------------------|---|---------------------------|--------|--|--------------------------------------|---|---|--|----------------------|-----------|
| SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER | | | | | | | | | | | | |
| System No. | Deck (Note 1) | Thermal Barrier | | | Primer | Vapor Barrier | Base Insulation | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf) |
| | | Type | Fasten (Note 2, Note 11) | Attach (Note 17) | | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | | |
| SC-122. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime | Insultite with HPV Insulation Fastening Plate | 1 per 1.6 ft ² | 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 Coverboard: Min. 0.5-inch SecurShield HD RL or min. 1.5-inch VersiCore RL | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece RL PVC | -67.5 |

| TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER | | | | | | | |
|---|---|--|---|--|---------------------------|--|-----------|
| SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER | | | | | | | |
| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
| | | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | | |
| BAREBACK APPLICATIONS: | | | | | | | |
| SC-123. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Min. 0.25-inch DensDeck Prime | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 3.2 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -30.0* |
| SC-124. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Min. 0.5-inch DensDeck Prime | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 5.3 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -30.0* |
| SC-125. | 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, SecurShield HD Plus | Steel: Insultite with AccuTrac Plate Concrete: Versico MP 14-10 Concrete Fastener, Versico CD-10 Concrete Fastener or MP Concrete Spike with AccuTrac Plate | 1 per 4.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -30.0* |
| SC-126. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Min. 0.625-inch DensDeck Prime | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 5.3 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -37.5* |
| SC-127. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 1.5-inch VersiCore, SecurShield | Note 2 | 1 per 2.9 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -37.5* |
| SC-128. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 2.7 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -37.5* |

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

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|---|--|--|----------------------------------|--|---------------------------|
| | | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | | |
| SC-129. | 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, SecurShield HD Plus | Steel: Insultite with AccuTrac Plate Concrete: Versico MP 14-10 Concrete Fastener, Versico CD-10 Concrete Fastener or MP Concrete Spike with AccuTrac Plate | 1 per 2.9 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -45.0* |
| SC-130. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACFoam II | Min. 0.5-inch SecurShield HD Plus | Note 2 | 1 per 4.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -45.0* |
| SC-131. | 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: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 4.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -45.0* |
| SC-132. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.625-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch DuraStorm VSH | Note 2 | 1 per 4.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -45.0* |
| SC-133. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 2-inch VersiCore or SecurShield | Note 2 | 1 per 4.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -45.0* |
| SC-134. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH | Note 2 | 1 per 3.2 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -45.0* |
| SC-135. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 2-inch SecurShield | Note 2 | 1 per 3.2 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -45.0* |
| SC-136. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.0-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACFoam II | Min. 0.25-inch DensDeck Prime | Note 2 | 1 per 2.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -45.0* |
| SC-137. | 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 DEXcell FA Glass Mat Roof Board | Note 2 | 1 per 2.7 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -45.0* |
| SC-138. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch DuraStorm VSH | Note 2 | 1 per 2.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -45.0* |
| SC-139. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 1-inch VersiCore, SecurShield | Note 2 | 1 per 2.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -45.0* |

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

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|---|---|---|----------------------------------|--|---------------------------|
| | | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | | |
| SC-140. | Min. 22 ga. type B, Grade 80 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.5-inch DEXcell FA Glass Mat Roof Board | Steel: HPV-X Fastener with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -45.0 |
| SC-141. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Min. 0.25-inch DensDeck Prime | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.8 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -52.5 |
| SC-142. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.0-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 0.5-inch DensDeck Prime | Note 2 | 1 per 1.6 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -52.5 |
| SC-143. | 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 or SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -60.0 |
| SC-144. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 2.0-inch SecurShield | Note 2 | 1 per 2.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -60.0 |
| SC-145. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 0.5-inch SecurShield HD Plus | Note 2 | 1 per 1.8 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -60.0 |
| SC-146. | Min. 22 ga. type B, Grade 80 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.5-inch DEXcell FA Glass Mat Roof Board | Steel: HPV-X Fastener with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.3 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -60.0 |
| SC-147. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Min. 0.5-inch DensDeck Prime | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.8 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -67.5 |
| SC-148. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 2.0-inch VersiCore, SecurShield | Note 2 | 1 per 1.6 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -67.5 |
| SC-149. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Min. 0.5-inch DensDeck Prime | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -75.0 |
| SC-150. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH | Note 2 | 1 per 1.6 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -82.5 |

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

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|--|---|--|---------------------------|--|-----------|
| | | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | | |
| SC-151. | 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 DuraStorm VSH | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -82.5 |
| SC-152. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 0.5-inch SecurShield HD Plus | Note 2 | 1 per 1.3 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -112.5 |
| SC-153. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | (Optional) Min. 1-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 2-inch SecurShield HD Composite | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.3 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -112.5 |
| SC-154. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH | Note 2 | 1 per 1.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -112.5 |
| SC-155. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -112.5 |
| SC-156. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 2-inch SecurShield | Note 2 | 1 per 1.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -112.5 |
| SC-157. | 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: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -127.5 |
| SC-158. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) Min. 1-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 2-inch VersiCore or SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -127.5 |
| SC-159. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.5-inch DuraStorm VSH | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -135.0 |
| SC-160. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | (Optional) Min. 1-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 2.5-inch SecurShield HD Composite | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -150.0 |
| SC-161. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Min. 0.25-inch DensDeck Prime | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 3.2 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -30.0* |

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

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|---|---|--|----------------------------------|--|---------------------------|
| | | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | | |
| SC-162. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Min. 0.5-inch DensDeck Prime | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 5.3 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -30.0* |
| SC-163. | 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, SecurShield HD Plus | Steel: Insultite with AccuTrac Plate Concrete: Versico MP 14-10 Concrete Fastener, Versico CD-10 Concrete Fastener or MP Concrete Spike with AccuTrac Plate | 1 per 4.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC / HydroBond | -30.0* |
| SC-164. | 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, SecurShield HD Plus | Steel: Insultite with AccuTrac Plate Concrete: Versico MP 14-10 Concrete Fastener, Versico CD-10 Concrete Fastener or MP Concrete Spike with AccuTrac Plate | 1 per 4.0 ft ² | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA | -30.0* |
| SC-165. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Min. 0.625-inch DensDeck Prime | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 5.3 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -37.5* |
| SC-166. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 1.5-inch VersiCore, SecurShield | Note 2 | 1 per 2.9 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -37.5* |
| SC-167. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch DuraStorm VSH | Note 2 | 1 per 2.7 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -37.5* |
| SC-168. | 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 | Insultite with SecurFast Insulation Fastening Plate | 1 per 2.7 ft ² | VersiFlex PVC / Low VOC PVC BA | -37.5* |
| SC-169. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 0.5-inch Versico Recovery Board | Note 2 | 1 per 1.6 ft ² | VersiFlex PVC or VersiFlex FRS PVC / Aquabase 120 Water Based BA | -37.5* |
| SC-170. | 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, SecurShield HD Plus | Steel: Insultite with AccuTrac Plate Concrete: Versico MP 14-10 Concrete Fastener, Versico CD-10 Concrete Fastener or MP Concrete Spike with AccuTrac Plate | 1 per 2.9 ft ² | VersiFlex PVC or VersiFlex FRS PVC / HydroBond | -45.0* |

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

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|---|--|--|---------------------------|--|-----------|
| | | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | | |
| SC-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. 0.5-inch SecurShield HD, SecurShield HD Plus | Steel: Insultite with AccuTrac Plate Concrete: Versico MP 14-10 Concrete Fastener, Versico CD-10 Concrete Fastener or MP Concrete Spike with AccuTrac Plate | 1 per 2.9 ft ² | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA | -45.0* |
| SC-172. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 0.5-inch SecurShield HD Plus | Note 2 | 1 per 4.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -45.0* |
| SC-173. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.5-inch DensDeck Prime | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 4.0 ft ² | VersiFlex PVC / Low VOC PVC BA or HydroBond WB | -45.0* |
| SC-174. | 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 | Insultite with SecurFast Insulation Fastening Plate | 1 per 4.0 ft ² | VersiFlex PVC / Low VOC PVC BA | -45.0* |
| SC-175. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.625-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch DuraStorm VSH | Note 2 | 1 per 4.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -45.0* |
| SC-176. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 2-inch VersiCore or SecurShield | Note 2 | 1 per 4.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -45.0* |
| SC-177. | 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: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 3.2 ft ² | VersiFlex KEE HP in Low VOC PVC BA | -45.0* |
| SC-178. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH | Note 2 | 1 per 3.2 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -45.0* |
| SC-179. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 2-inch SecurShield | Note 2 | 1 per 3.2 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -45.0* |
| SC-180. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.0-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 0.25-inch DensDeck Prime | Note 2 | 1 per 2.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -45.0* |
| SC-181. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | Note 2 | 1 per 2.7 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -45.0* |

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

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|---|---|---|----------------------------------|--|---------------------------|
| | | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | | |
| SC-182. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min. 0.5-inch DEXcell FA Glass Mat Roof Board | Note 2 | 1 per 4.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -45.0* |
| SC-183. | 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. 0.4375-inch DEXcell Cement Roof Board | Note 2 | 1 per 4.0 ft ² | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP in Low VOC PVC BA | -45.0* |
| SC-184. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch DuraStorm VSH | Note 2 | 1 per 2.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -45.0* |
| SC-185. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.0-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 0.5-inch Versico Recovery Board | Note 2 | 1 per 2.0 ft ² | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA | -45.0* |
| SC-186. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 1.5-inch Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Note 2 | 1 per 2.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -45.0* |
| SC-187. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 0.25-inch DensDeck Prime | Note 2 | 1 per 1.6 ft ² | VersiFlex PVC or VersiFlex FRS PVC / Aquabase 120 Water Based BA | -45.0* |
| SC-188. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 1-inch VersiCore, SecurShield | Note 2 | 1 per 2.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC / Low VOC PVC BA or HydroBond WB | -45.0* |
| SC-189. | Min. 22 ga. type B, Grade 80 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.5-inch DEXcell FA Glass Mat Roof Board | Steel: HPV-X Fastener with Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB | -45.0 |
| SC-190. | Min. 22 ga. type B, Grade 80 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.4375-inch DEXcell Cement Roof Board | Steel: HPV-X Fastener with Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA | -45.0 |
| SC-191. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Min. 0.25-inch DensDeck Prime | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.8 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -52.5 |
| SC-192. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.0-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 0.5-inch DensDeck Prime | Note 2 | 1 per 1.6 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -52.5 |

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

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|---|---|---|----------------------------------|--|---------------------------|
| | | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | | |
| SC-193. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Min. 0.4375-inch DEXcell Cement Roof Board | Note 2 | 1 per 1.8 ft ² | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP in Low VOC PVC BA | -52.5 |
| SC-194. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 1.5-inch DuraFaceR | Note 2 | 1 per 1.9 ft ² | VersiFlex KEE HP in Low VOC PVC BA | -52.5 |
| SC-195. | 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 or SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -60.0 |
| SC-196. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 2.0-inch SecurShield | Note 2 | 1 per 2.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -60.0 |
| SC-197. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 1.5-inch DuraFaceR | Note 2 | 1 per 1.9 ft ² | VersiFlex PVC or VersiFlex FRS PVC in HydroBond WB | -60.0 |
| SC-198. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 0.5-inch SecurShield HD Plus | Note 2 | 1 per 1.78 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -60.0 |
| SC-199. | Min. 22 ga. type B, Grade 80 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.5-inch DEXcell FA Glass Mat Roof Board | Steel: HPV-X Fastener with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.3 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB | -60.0 |
| SC-200. | Min. 22 ga. type B, Grade 80 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.4375-inch DEXcell Cement Roof Board | Steel: HPV-X Fastener with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.3 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA | -60.0 |
| SC-201. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch DuraStorm VSH | Note 2 | 1 per 1.6 ft ² | VersiFlex PVC or VersiFlex FRS PVC in HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -60.0 |
| SC-202. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 2.0-inch Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Note 2 | 1 per 1.6 ft ² | VersiFlex PVC or VersiFlex FRS PVC in HydroBond WB | -60.0 |
| SC-203. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Min. 0.5-inch DensDeck Prime | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.8 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -67.5 |

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

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|--|---|--|----------------------------------|--|---------------------------|
| | | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | | |
| SC-204. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 1.5-inch DuraFaceR | Note 2 | 1 per 1.9 ft ² | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA | -67.5 |
| SC-205. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 2.0-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Note 2 | 1 per 1.6 ft ² | VersiFlex PVC or VersiFlex FRS PVC / Low VOC PVC BA | -67.5 |
| SC-206. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Min. 0.5-inch DensDeck Prime | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -75.0 |
| SC-207. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH | Note 2 | 1 per 1.6 ft ² | VersiFlex PVC or VersiFlex KEE HP / Low VOC PVC BA | -82.5 |
| SC-208. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | VersiFlex KEE HP in Low VOC PVC BA | -82.5 |
| SC-209. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 0.5-inch SecurShield HD Plus | Note 2 | 1 per 1.3 ft ² | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA | -112.5 |
| SC-210. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | (Optional) Min. 1-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 2-inch SecurShield HD Composite | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.3 ft ² | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA | -112.5 |
| SC-211. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH | Note 2 | 1 per 1.0 ft ² | VersiFlex PVC or VersiFlex KEE HP / Low VOC PVC BA | -112.5 |
| SC-212. | Min. 22 ga., type B, Grade 33 steel | Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min 0.5-inch SECUROCK Ultralight Coated Glass-Mat Roof Board | Insultite with SecurFast Insulation Fastening Plate | 1 per 1.0 ft ² | VersiFlex PVC / Low VOC PVC BA | -112.5 |
| SC-213. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or DuraStorm VSH | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | VersiFlex PVC or VersiFlex KEE HP / Low VOC PVC BA | -112.5 |
| SC-214. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 2-inch SecurShield | Note 2 | 1 per 1.0 ft ² | VersiFlex PVC or VersiFlex KEE HP / Low VOC PVC BA | -112.5 |

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

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|---|---|--|--|--|---------------------------|---|-----------|
| | | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | | |
| SC-215. | 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: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | VersiFlex PVC or VersiFlex FRS PVC in Low VOC PVC BA or HydroBond WB or VersiFlex KEE HP in Low VOC PVC BA | -127.5 |
| SC-216. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) Min. 1-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 2-inch VersiCore or SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA | -127.5 |
| SC-217. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | (Optional) Min. 1-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 2.5-inch SecurShield HD Composite | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA | -150.0 |
| VERSIFLEECE APPLICATIONS (PARTIAL BOND): | | | | | | | |
| SC-218. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.5-inch DensDeck Prime | Note 2 | 1 per 2.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0* |
| VERSIFLEECE APPLICATIONS (FULL BOND): | | | | | | | |
| SC-219. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Min. 0.25-inch DensDeck Prime | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 3.2 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -30.0* |
| SC-220. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Min. 0.5-inch DensDeck Prime | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 5.3 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -30.0* |
| SC-221. | 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, SecurShield HD Plus or DuraStorm VSH | Steel: Insultite with AccuTrac Plate Concrete: Versico MP 14-10 Concrete Fastener, Versico CD-10 Concrete Fastener or MP Concrete Spike with AccuTrac Plate | 1 per 4.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -30.0* |
| SC-222. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Min. 0.625-inch DensDeck Prime | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 5.3 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -37.5* |
| SC-223. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 1.5-inch VersiCore, SecurShield | Note 2 | 1 per 2.9 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -37.5* |
| SC-224. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 2.7 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -37.5* |

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

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|---|--|--|---------------------------|---|-----------|
| | | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | | |
| SC-225. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 1-inch VersiCore or SecurShield | Note 2 | 1 per 2.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0* |
| SC-226. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 2-inch VersiCore or SecurShield | Note 2 | 1 per 4.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0* |
| SC-227. | 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, SecurShield HD Plus or DuraStorm VSH | Steel: Insultite with AccuTrac Plate Concrete: Versico MP 14-10 Concrete Fastener, Versico CD-10 Concrete Fastener or MP Concrete Spike with AccuTrac Plate | 1 per 2.9 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0* |
| SC-228. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 0.5-inch SecurShield HD Plus or DuraStorm VSH | Note 2 | 1 per 4.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0* |
| SC-229. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.0-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 0.25-inch DensDeck Prime | Note 2 | 1 per 2.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0* |
| SC-230. | 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: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 4.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0* |
| SC-231. | 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 DEXcell FA Glass Mat Roof Board | Note 2 | 1 per 2.7 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0* |
| SC-232. | 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 DEXcell FA Glass Mat Roof Board | Note 2 | 1 per 4.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0* |
| SC-233. | 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. 0.4375-inch DEXcell Cement Roof Board | Note 2 | 1 per 4.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0* |
| SC-234. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 2.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0* |
| SC-235. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 3.2 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0* |

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

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|---|--|---|----------------------------------|---|---------------------------|
| | | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | | |
| SC-236. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.625-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 4.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0* |
| SC-237. | Min. 22 ga. type B, Grade 80 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.5-inch DEXcell FA Glass Mat Roof Board | Steel: HPV-X Fastener with Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -45.0 |
| SC-238. | Min. 22 ga. type B, Grade 80 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.4375-inch DEXcell Cement Roof Board | Steel: HPV-X Fastener with Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -45.0 |
| SC-239. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Min. 0.25-inch DensDeck Prime | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.8 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -52.5 |
| SC-240. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Min. 0.5-inch DensDeck Prime | Note 2 | 1 per 1.6 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -52.5 |
| SC-241. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Min. 0.4375-inch DEXcell Cement Roof Board | Note 2 | 1 per 1.8 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -52.5 |
| SC-242. | 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 or SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -60.0 |
| SC-243. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 2.0-inch SecurShield | Note 2 | 1 per 2.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -60.0 |
| SC-244. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 0.5-inch SecurShield HD Plus or DuraStorm VSH | Note 2 | 1 per 1.78 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -60.0 |
| SC-245. | Min. 22 ga. type B, Grade 80 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.5-inch DEXcell FA Glass Mat Roof Board | Steel: HPV-X Fastener with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.3 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -60.0 |
| SC-246. | Min. 22 ga. type B, Grade 80 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.4375-inch DEXcell Cement Roof Board | Steel: HPV-X Fastener with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.3 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -60.0 |

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

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|---|--|--|----------------------------------|---|---------------------------|
| | | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | | |
| SC-247. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Steel: Insultite with SecurFast Insulation Fastening Plate Concrete: Versico MP 14-10 Concrete Fastener, Versico CD-10 Concrete Fastener or MP Concrete Spike with SecurFast Insulation Fastening Plate | 1 per 1.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / DASH DT Flexible DASH or Flexible DASH DT (FULL) | -60.0 |
| SC-248. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 1.6 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -60.0 |
| SC-249. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 2.0-inch VersiCore, SecurShield | Note 2 | 1 per 1.6 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -67.5 |
| SC-250. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Min. 0.5-inch DensDeck Prime | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.8 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -67.5 |
| SC-251. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Min. 0.5-inch DensDeck Prime | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -75.0 |
| SC-252. | 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 1.5-inch DuraFaceR | Note 2 | 1 per 1.9 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -75.0 |
| SC-253. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -82.5 |
| SC-254. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 15/32-inch plywood | Note 2 | 1 per 1.9 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Aqua Base 120 BA | -82.5 |
| SC-255. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield | Min. 2-inch SecurShield | Note 2 | 1 per 1.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -112.5 |
| SC-256. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 0.5-inch SecurShield HD Plus or DuraStorm VSH | Note 2 | 1 per 1.3 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -112.5 |

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

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|---|---|--|--|--|---------------------------|---|-----------|
| | | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | | |
| SC-257. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | (Optional) Min. 1-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 2-inch SecurShield HD Composite | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.3 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -112.5 |
| SC-258. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -112.5 |
| SC-259. | 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: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -127.5 |
| SC-260. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) Min. 1-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 2-inch VersiCore or SecurShield | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -127.5 |
| SC-261. | 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 1.5-inch DuraFaceR | Note 2 | 1 per 1.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -135.0 |
| SC-262. | 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, SecurShield HD Composite | Note 2 | 1 per 1.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -135.0 |
| SC-263. | 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 1.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH DT (FULL) | -150.0 |
| SC-264. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | (Optional) Min. 1-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | Min. 2.5-inch SecurShield HD Composite | Steel: Insultite with HPV Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -150.0 |
| VERSIFLEECE RL PVC APPLICATIONS: | | | | | | | |
| SC-265. | 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: Insultite with HPV Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2 | 1 per 4.0 ft ² | VersiFleece RL PVC | -45.0* |
| SC-266. | 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: Insultite with HPV Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | VersiFleece RL PVC | -45.0* |

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

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|--|----------------------------|--|----------------------------------|--------------------------------------|---------------------------|
| | | | Type | Fastener (Note 2, Note 11) | Attach (Note 17) | | |
| SC-267. | 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: Insultite with HPV Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | VersiFleece RL PVC | -75.0 |

**TABLE 2F: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER**

| System No. | Deck (Note 1) | Insulation Layer (Note 3, Note 13) | Attachment | | Roof Cover (Note 15B) | MDP (psf) |
|---------------------------|--|---|--|---|--|---------------------------|
| | | | Fastener (Note 11) | Density / Pattern | | |
| RHINOBOND SYSTEMS: | | | | | | |
| SC-268. | Min. 22 ga., type B, Grade 33 steel | Min. 1-inch thick, one or more layers, any combination. Note A. | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | 1 per 5.3 ft ² (6 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1- 29; Note B | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -45.0 |
| SC-269. | Min. 22 ga., type B, Grade 33 steel, 7 ft span, HILTI X-HSN 24, 6" o.c. Side laps HILTI S-SLC 01 M HWH, 24" o.c. | Min. 1-inch thick, one or more layers, any combination. Note C. | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | 1 per 4.0 ft ² (2 x 2 ft grid pattern) | VersiFlex PVC (min. 60-mil) or VersiFlex KEE HP (min. 60-mil) induction welded with RhinoBond tool per manufacturer's instructions | -52.5 |
| SC-270. | Min. 22 ga., type B, Grade 33 steel, 7 ft span, 5/8" puddle welds, 6" o.c. Side laps ITW HWH #12 Tek's 1, 24" o.c. | Min. 1-inch thick, one or more layers, any combination. Note C. | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | 1 per 4.0 ft ² (2 x 2 ft grid pattern) | VersiFlex PVC (min. 60-mil) or VersiFlex KEE HP (min. 60-mil) induction welded with RhinoBond tool per manufacturer's instructions | -52.5 |
| SC-271. | Min. 22 ga., type B, Grade 33 steel | Min. 1-inch thick, one or more layers, any combination. Note A. | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | 1 per 4.0 ft ² (8 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1- 29; Note B | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -52.5 |
| SC-272. | 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 Plate-PVC or RhinoBond Treadsafe Plate-PVC | 1 per 4.0 ft ² (2 x 2 ft grid pattern) | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -52.5 |
| SC-273. | Min. 22 ga., type B, Grade 80 steel | Min. 1-inch thick, one or more layers, any combination. Note A. | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | 1 per 4.0 ft ² (8 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1- 29; Note B | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -60.0 |
| SC-274. | Min. 22 ga., type B, Grade 33 steel | Min. 1.5-inch thick, one or more layers, any combination. Note A. | HPV-XL Fastener with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | 1 per 4.0 ft ² (8 parts per 4 x 8 ft board) 2 x 2 ft grid pattern | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -67.5 |

**TABLE 2F: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER**

| System No. | Deck (Note 1) | Insulation Layer (Note 3, Note 13) | Attachment | | Roof Cover (Note 15B) | MDP (psf) |
|---|---|--|--|---|---|---------------------------|
| | | | Fastener (Note 11) | Density / Pattern | | |
| SC-275. | Min. 22 ga., type B, Grade 80 steel | Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | 12-inch o.c. in rows max. 120-inch o.c. | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -30.0 |
| SC-276. | Min. 22 ga., type B, Grade 80 steel | Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | 18-inch o.c. in rows max. 60-inch o.c. | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -37.5 |
| SC-277. | Min. 22 ga., type B, Grade 80 steel | Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | 12-inch o.c. in rows max. 60-inch o.c. | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -52.5 |
| SC-278. | Min. 22 ga., type B, Grade 80 steel | Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | 6-inch o.c. in rows max. 120-inch o.c. | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -60.0 |
| SC-279. | Min. 22 ga., type B, Grade 80 steel | Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached | HPV-X Fastener or Dekfast DF-#15-PH3 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | 6-inch o.c. in rows max. 60-inch o.c. | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -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> | | | | | |
| ISOWELD INDUCTION WELDING SYSTEMS: | | | | | | |
| SC-280. | Min. 22 ga., type B, Grade 40 steel | One or more layers, any combination, min. 1.5-inch | Dekfast DF-#15-PH3 with Carlisle isoweld PVC Plate or SFS isoweld F1-P-6.8-PVC Plate | 1 per 6 ft ² 2 x 3-ft grid, staggered | VersiFlex PVC or VersiFlex KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions | -37.5 |
| SC-281. | Min. 22 ga., type B, Grade 80 steel | One or more layers, any combination, min. 1.5-inch | Dekfast DF-#12-PH3 or DF-#15-PH3 with Carlisle isoweld PVC Plate or SFS isoweld F1-P-6.8-PVC Plate | 1 per 6 ft ² 2 x 3-ft grid, staggered | VersiFlex PVC or VersiFlex KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions | -37.5 |
| SC-282. | Min. 22 ga., type B, Grade 40 steel | One or more layers, any combination, min. 1.5-inch, preliminarily attached | Dekfast DF-#15-PH3 with Carlisle isoweld PVC Plate or SFS isoweld F1-P-6.8-PVC Plate | 12-inch o.c. in rows max. 60-inch o.c. | VersiFlex PVC or VersiFlex KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions | -45.0 |
| SC-283. | Min. 22 ga., type B, Grade 80 steel | One or more layers, any combination, min. 1.5-inch, preliminarily attached | Dekfast DF-#12-PH3 or DF-#15-PH3 with Carlisle isoweld PVC Plate or SFS isoweld F1-P-6.8-PVC Plate | 12-inch o.c. in rows max. 60-inch o.c. | VersiFlex PVC or VersiFlex KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions | -45.0 |
| SC-284. | Min. 22 ga., type B, Grade 40 steel | One or more layers, any combination, min. 1.5-inch | Dekfast DF-#15-PH3 with Carlisle isoweld PVC Plate or SFS isoweld F1-P-6.8-PVC Plate | 1 per 4.0 ft ² 2 x 2-ft grid, staggered | VersiFlex PVC or VersiFlex KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions | -52.5 |

**TABLE 2F: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER**

| System No. | Deck (Note 1) | Insulation Layer (Note 3, Note 13) | Attachment | | Roof Cover (Note 15B) | MDP (psf) |
|------------|-------------------------------------|--|--|---|---|-----------|
| | | | Fastener (Note 11) | Density / Pattern | | |
| SC-285. | Min. 22 ga., type B, Grade 80 steel | One or more layers, any combination, min. 1.5-inch | Dekfast DF-#12-PH3 or DF-#15-PH3 with Carlisle isoweld PVC Plate or SFS isoweld F1-P-6.8-PVC Plate | 1 per 4.0 ft ² 2 x 2-ft grid, staggered | VersiFlex PVC or VersiFlex KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions | -52.5 |
| SC-286. | Min. 22 ga., type B, Grade 40 steel | One or more layers, any combination, min. 1.5-inch | Dekfast DF-#15-PH3 with Carlisle isoweld PVC Plate or SFS isoweld F1-P-6.8-PVC Plate | 1 per 3.0 ft ² 1.5 x 2-ft grid, staggered | VersiFlex PVC or VersiFlex KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions | -82.5 |
| SC-287. | Min. 22 ga., type B, Grade 80 steel | One or more layers, any combination, min. 1.5-inch | Dekfast DF-#12-PH3 or DF-#15-PH3 with Carlisle isoweld PVC Plate or SFS isoweld F1-P-6.8-PVC Plate | 1 per 3.0 ft ² 1.5 x 2-ft grid, staggered | VersiFlex PVC or VersiFlex KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions | -82.5 |
| SC-288. | Min. 22 ga., type B, Grade 80 steel | One or more layers, any combination, min. 1.5-inch, preliminarily attached | Dekfast DF-#12-PH3 or DF-#15-PH3 with Carlisle isoweld PVC Plate or SFS isoweld F1-P-6.8-PVC Plate | 6-inch o.c. in rows max. 60-inch o.c. | VersiFlex PVC or VersiFlex KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions | -90.0 |

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

| System No. | Deck (Note 1) | Insulation Layer (Note 3, Note 13) | | Roof Cover (Note 15A) | | | | | | MDP (psf) |
|------------|---|--|----------------|-----------------------|---|------------------------------|------------------|-------------------------|------------------|-----------|
| | | Type | Attach | Membrane | Fastener (Note 11) | Fastener Spacing (inch o.c.) | Lap Width (inch) | Lap Spacing (inch o.c.) | Seam Weld (inch) | |
| SC-289. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, one or more layers, any combination | prelim. attach | VersiFlex PVC | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPV-X Plate | 18 | 5.5 | 75.5 | 1.5 | -30.0 |
| SC-290. | 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 | VersiFlex PVC | Trufast #15 EHD (steel only) or Trufast Fluted Concrete Nail (concrete only) and Trufast 2.4" Barbed Metal Seam Plate (14 Barb) | 18 | 5.5 | 75.5 | 1.5 | -30.0 |
| SC-291. | 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 | VersiFlex PVC | HPV-XL Fastener and HPV-XL Plate (steel only) or MP 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPV-X Plate | 18 | 5.5 | 75.5 | 1.5 | -30.0 |
| SC-292. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, one or more layers, any combination | prelim. attach | VersiFlex KEE HP | HPV-XL Fastener and HPV-XL Plate (steel only) or MP 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPV-X Plate | 12 | 5 | 115 | 1.5 | -30.0 |
| SC-293. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, one or more layers, any combination | prelim. attach | VersiFlex KEE HP | HPV-XL Fastener and HPV-XL Plate (steel only) or MP 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPV-X Plate | 12 | 6 | 114 | 1.5 | -30.0 |

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

| System No. | Deck (Note 1) | Insulation Layer (Note 3, Note 13) | | Roof Cover (Note 15A) | | | | | | MDP (psf) |
|------------|--|--|----------------|--|---|------------------------------|------------------|-------------------------|------------------|---------------------------|
| | | Type | Attach | Membrane | Fastener (Note 11) | Fastener Spacing (inch o.c.) | Lap Width (inch) | Lap Spacing (inch o.c.) | Seam Weld (inch) | |
| SC-294. | 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 | VersiFlex PVC or VersiFleece PVC | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPV-X Plate | 12 | 5.5 | 75.5 | 1.5 | -37.5 |
| SC-295. | 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 | VersiFlex PVC or VersiFleece PVC | Trufast #15 EHD (steel only), Trufast #14 HD (concrete only) or Trufast Fluted Concrete Nail (concrete only) and Trufast 2.4" Barbed Metal Seam Plate (14 Barb) | 12 | 5.5 | 75.5 | 1.5 | -37.5 |
| SC-296. | 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 | VersiFlex PVC, VersiFleece PVC, VersiFlex KEE HP or VersiFleece KEE HP | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPV-X Plate | 6 | 5 | 115 | 1.5 | -37.5 |
| SC-297. | 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 | VersiFlex KEE HP or VersiFleece KEE HP | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPV-X Plate | 6 | 6 | 114 | 1.5 | -37.5 |
| SC-298. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, one or more layers, any combination | prelim. attach | VersiFlex PVC | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPV-X Plate | 12 | 5.5 | 75.5 | 1.5 | -45.0 |
| SC-299. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, one or more layers, any combination | prelim. attach | VersiFlex PVC | Trufast #15 EHD (steel only) or Trufast Fluted Concrete Nail (concrete only) and Trufast 2.4" Barbed Metal Seam Plate (14 Barb) | 12 | 5.5 | 75.5 | 1.5 | -45.0 |
| SC-300. | 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 | VersiFlex PVC or VersiFlex KEE HP | HPV-XL Fastener and HPV-XL Plate (steel only) or MP 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPV-X Plate | 12 | 5.5 | 75.5 | 1.5 | -45.0 |
| SC-301. | 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 | VersiFlex PVC, VersiFleece PVC, VersiFlex KEE HP or VersiFleece KEE HP | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPV-X Plate | 12 | 5.5 | 54.5 | 1.5 | -45.0 |
| SC-302. | Min. 22 ga., type B, Grade 33 steel, 7 ft span, HILTI X-HSN 24, 6" o.c. Side laps HILTI S-SLC 01 M HWH, 24" o.c. or min. 2,500 psi structural concrete | Min. 1-inch, one or more layers, any combination | prelim. attach | Min. 60-mil VersiFlex PVC, VersiFleece PVC or min. 50-mil VersiFlex KEE HP, VersiFleece KEE HP | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPV-X Plate | 6 | 5.5 | 114.5 | 1.5 | -45.0 |

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

| System No. | Deck (Note 1) | Insulation Layer (Note 3, Note 13) | | Roof Cover (Note 15A) | | | | | | MDP (psf) |
|------------|--|---|----------------|--|---|------------------------------|------------------|-------------------------|------------------|---------------------------|
| | | Type | Attach | Membrane | Fastener (Note 11) | Fastener Spacing (inch o.c.) | Lap Width (inch) | Lap Spacing (inch o.c.) | Seam Weld (inch) | |
| SC-303. | 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 | VersiFlex KEE HP or VersiFleece KEE HP | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fastener and Dekfast PLT-O2-3/4-12B | 6 | 6 | 114 | 1.5 | -45.0 |
| SC-304. | 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 | VersiFlex PVC or VersiFleece PVC | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPV-X Plate | 12 | 5.5 | 35.5 | 1.5 | -52.5 |
| SC-305. | 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 | VersiFlex PVC or VersiFleece PVC | Trufast #15 EHD (steel only), Trufast #14 HD (concrete only) or Trufast Fluted Concrete Nail (concrete only) and Trufast 2.4" Barbed Metal Seam Plate (14 Barb) | 12 | 5.5 | 35.5 | 1.5 | -52.5 |
| SC-306. | 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 | VersiFleece PVC or VersiFleece KEE HP | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPV-X Plate | 6 | 5.5 | 114.5 | 1.5 | -52.5 |
| SC-307. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, one or more layers, any combination (optional for recover) followed by 3/8-inch Insulfoam R-Tech EPS or Fan-Fold | Loose laid | VersiFlex PVC, VersiFleece PVC, VersiFlex KEE HP or VersiFleece KEE HP | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPV-X Plate | 6 | 5.5 | 75.5 | 1.5 | -52.5 |
| SC-308. | 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 | VersiFlex PVC or VersiFleece PVC | Trufast #15 EHD (steel only), Trufast #14 HD (concrete only) or Trufast Fluted Concrete Nail (concrete only) and Trufast 2.4" Barbed Metal Seam Plate (14 Barb) | 6 | 5.5 | 75.5 | 1.5 | -52.5 |
| SC-309. | 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 | VersiFlex PVC or VersiFleece PVC | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPV-X Plate | 12 | 5.5 | 35 | 1.5 | -60.0 |
| SC-310. | 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. or min. 2,500 psi structural concrete | Min. 1-inch, one or more layers, any combination | prelim. attach | Min. 60-mil VersiFlex PVC or min. 50-mil VersiFlex KEE HP | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPV-X Plate | 6 | 5.5 | 114.5 | 1.5 | -60.0 |
| SC-311. | Min. 22 ga., type B, Grade 40 steel; 6 ft span; 5/8" puddle welds 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch, one or more layers, any combination | prelim. attach | Min. 60-mil VersiFlex PVC or min. 50-mil VersiFlex KEE HP | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPV-X Plate | 6 | 5.5 | 114.5 | 1.5 | -60.0 |

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

| System No. | Deck (Note 1) | Insulation Layer (Note 3, Note 13) | | Roof Cover (Note 15A) | | | | | | MDP (psf) |
|------------|---|--|----------------|--|---|------------------------------|------------------|-------------------------|------------------|---------------------------|
| | | Type | Attach | Membrane | Fastener (Note 11) | Fastener Spacing (inch o.c.) | Lap Width (inch) | Lap Spacing (inch o.c.) | Seam Weld (inch) | |
| SC-312. | 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 | VersiFlex PVC or VersiFleece PVC | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPV-X Plate | 6 | 5.5 | 75.5 | 1.5 | -60.0 |
| SC-313. | 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 | VersiFlex PVC, VersiFleece PVC, VersiFlex KEE HP or VersiFleece KEE HP | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPV-X Plate | 6 | 5.5 | 54.5 | 1.5 | -67.5 |
| SC-314. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, one or more layers, any combination | prelim. attach | Min. 60-mil VersiFlex PVC, VersiFleece PVC, VersiFlex KEE HP or VersiFleece KEE HP | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPV-X Plate | 6 | 5.5 | 54.5 | 1.5 | -75.0 |
| SC-315. | 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 | VersiFlex PVC, VersiFleece PVC, VersiFlex KEE HP or VersiFleece KEE HP | HPV-X Fastener (steel only), MP 14-10 (concrete only) or CD-10 (concrete only) Fastener and HPV-X Plate | 6 | 5.5 | 35 | 1.5 | -82.5 |
| SC-316. | 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 | VersiFlex PVC or VersiFleece PVC | Trufast #15 EHD (steel only), Trufast #14 HD (concrete only) or Trufast Fluted Concrete Nail (concrete only) and Trufast 2.4" Barbed Metal Seam Plate (14 Barb) | 6 | 5.5 | 35.5 | 1.5 | -82.5 |

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

NOTE: REFER TO NOTE 16A FOR VAPOR BARRIER OPTIONS

| Sys. No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|-------------------------------|------------------------------------|--|--|--|--|--|-----------------------|--------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| BAREBACK APPLICATIONS: | | | | | | | | |
| C-1. | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | (Optional) Additional layer(s) base insulation | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -157.5 |
| C-2. | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | (Optional) Additional layer(s) base insulation | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -225.0 |
| C-3. | 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 <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -157.5 |
| C-4. | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible DASH (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -315.0 |
| C-5. | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -277.5 |
| C-6. | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH DT (FULL) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible DASH DT (FULL) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -315.0 |
| C-7. | 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 <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -157.5 |
| C-8. | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board | Flexible DASH (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -315.0 |
| C-9. | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board | Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -277.5 |

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

NOTE: REFER TO NOTE 16A FOR VAPOR BARRIER OPTIONS

| Sys. No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|----------|------------------------------------|---|---|---|--|--------------------------------------|-----------------------|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| C-10. | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH DT (FULL) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board | Flexible DASH DT (FULL) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -315.0 |
| C-11. | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -112.5 |
| C-12. | 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 <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -157.5 |
| C-13. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -397.5 |
| C-14. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -277.5 |
| C-15. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH DT (FULL) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH DT (FULL) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -397.5 |
| C-16. | Min. 2,500 psi structural concrete | Min. 2-inch DeckVent EPS | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -202.5 |
| C-17. | Min. 2,500 psi structural concrete | Min. 2-inch DeckVent EPS | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | <u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH or Flexible DASH DT (FULL) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -397.5 |

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

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

| Sys. No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|----------|------------------------------------|---|---|---|--|--------------------------------------|-----------------------|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| C-18. | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD | Flexible DASH DT (RIBBON) | <u>Insulation</u> : Min. 1.6-inch Kingspan “Optim-R” <u>Coverboard</u> : Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -127.5 |
| C-19. | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD | Flexible DASH DT (FULL) | <u>Insulation</u> : Min. 1.6-inch Kingspan “Optim-R” <u>Coverboard</u> : Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH DT (FULL) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -397.5 |
| C-20. | 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 <u>Coverboard</u> : Min. 0.5-inch DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -157.5 |
| C-21. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH (RIBBON) | <u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch DuraStorm VSH | Flexible DASH (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -352.5 |
| C-22. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH DT (RIBBON) | <u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch DuraStorm VSH | Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -277.5 |
| C-23. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH DT (FULL) | <u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch DuraStorm VSH | Flexible DASH DT (FULL) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -352.5 |
| C-24. | Min. 2,500 psi structural concrete | Min. 2-inch DeckVent EPS | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation</u> : (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard</u> : Min. 0.5-inch DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -202.5 |
| C-25. | Min. 2,500 psi structural concrete | Min. 2-inch DeckVent EPS | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | <u>Insulation</u> : (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard</u> : Min. 0.5-inch DuraStorm VSH | Flexible DASH or Flexible DASH DT (FULL) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -352.5 |
| C-26. | Min. 2,500 psi structural concrete | Min. 0.5-inch DuraStorm VSH | Flexible DASH or Flexible DASH DT (FULL) | None | N/A | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -495.0 |
| C-27. | 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 or Flexible DASH DT (RIBBON) | <u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 2-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -112.5 |

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

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

| Sys. No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|----------|------------------------------------|---|--|--|--|--------------------------------------|-----------------------|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| C-28. | Min. 2,500 psi structural concrete | Min. 2-inch DeckVent EPS | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Min. 0.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 2-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -112.5 |
| C-29. | 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) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -60.0 |
| C-30. | 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 <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -60.0 |
| C-31. | 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 <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -60.0 |
| C-32. | Min. 2,500 psi structural concrete | Min. 2-inch DeckVent EPS | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 7/16-inch APA rated OSB | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -180.0 |
| C-33. | 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 <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -157.5 |
| C-34. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -397.5 |
| C-35. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -277.5 |

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

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

| Sys. No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|----------|------------------------------------|---|---|---|--|--------------------------------------|--------------|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| C-36. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH DT (FULL) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH DT (FULL) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -397.5 |
| C-37. | Min. 2,500 psi structural concrete | Min. 2-inch DeckVent EPS | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -202.5 |
| C-38. | Min. 2,500 psi structural concrete | Min. 2-inch DeckVent EPS | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | <u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH or Flexible DASH DT (FULL) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -397.5 |
| C-39. | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD | Flexible DASH DT (RIBBON) | <u>Insulation:</u> Min. 1.6-inch Kingspan “Optim-R” <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -127.5 |
| C-40. | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD | Flexible DASH DT (FULL) | <u>Insulation:</u> Min. 1.6-inch Kingspan “Optim-R” <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH DT (FULL) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -397.5 |
| C-41. | 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 <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -157.5 |
| C-42. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH | Flexible DASH (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -352.5 |
| C-43. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH | Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -277.5 |
| C-44. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH DT (FULL) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH | Flexible DASH DT (FULL) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -352.5 |

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

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

| Sys. No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|----------|------------------------------------|---|---|--|--|--|----------------|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| C-45. | Min. 2,500 psi structural concrete | Min. 2-inch DeckVent EPS | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -202.5 |
| C-46. | Min. 2,500 psi structural concrete | Min. 2-inch DeckVent EPS | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | <u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 0.5-inch DuraStorm VSH | Flexible DASH or Flexible DASH DT (FULL) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -352.5 |
| C-47. | 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 <u>Coverboard:</u> Min. 1.5-inch DuraFaceR | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -157.5 |
| C-48. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1.5-inch DuraFaceR | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -180.0 |
| C-49. | 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 or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -112.5 |
| C-50. | Min. 2,500 psi structural concrete | Min. 2-inch DeckVent EPS | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Min. 0.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 2-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -112.5 |
| C-51. | 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) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -157.5 |
| C-52. | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | (Optional) Additional layer(s) base insulation | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -225.0 |
| C-53. | 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 <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -157.5 |

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

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

| Sys. No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|----------|------------------------------------|--|--|---|--|--|----------------|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| C-54. | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible DASH (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -315.0 |
| C-55. | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -277.5 |
| C-56. | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH DT (FULL) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible DASH DT (FULL) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -315.0 |
| C-57. | 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 <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 0.4375-inch DEXcell Cement Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -157.5 |
| C-58. | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 0.4375-inch DEXcell Cement Roof Board | Flexible DASH (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -315.0 |
| C-59. | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 0.4375-inch DEXcell Cement Roof Board | Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -277.5 |
| C-60. | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH DT (FULL) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 0.4375-inch DEXcell Cement Roof Board | Flexible DASH DT (FULL) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -315.0 |
| C-61. | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -112.5 |

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

NOTE: REFER TO NOTE 16A FOR VAPOR BARRIER OPTIONS

| Sys. No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|----------|------------------------------------|---|---|---|--|--|----------------|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| C-62. | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Ultralight Coated Glass-Mat Roof Board | Flexible DASH (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -67.5 |
| C-63. | Min. 2,500 psi structural concrete | Min. 2-inch DeckVent EPS | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 7/16-inch APA rated OSB | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -180.0 |
| C-64. | 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 <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -157.5 |
| C-65. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -397.5 |
| C-66. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -277.5 |
| C-67. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH DT (FULL) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH DT (FULL) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -397.5 |
| C-68. | Min. 2,500 psi structural concrete | Min. 2-inch DeckVent EPS | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -202.5 |
| C-69. | Min. 2,500 psi structural concrete | Min. 2-inch DeckVent EPS | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | <u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH or Flexible DASH DT (FULL) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -397.5 |

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

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

| Sys. No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|----------|------------------------------------|---|---|---|--|--|----------------|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| C-70. | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD | Flexible DASH DT (RIBBON) | <u>Insulation</u> : Min. 1.6-inch Kingspan “Optim-R” <u>Coverboard</u> : Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -127.5 |
| C-71. | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD | Flexible DASH DT (FULL) | <u>Insulation</u> : Min. 1.6-inch Kingspan “Optim-R” <u>Coverboard</u> : Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH DT (FULL) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -397.5 |
| C-72. | 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 <u>Coverboard</u> : Min. 0.5-inch DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -157.5 |
| C-73. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH (RIBBON) | <u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch DuraStorm VSH | Flexible DASH (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -352.5 |
| C-74. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH DT (RIBBON) | <u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch DuraStorm VSH | Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -277.5 |
| C-75. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH DT (FULL) | <u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch DuraStorm VSH | Flexible DASH DT (FULL) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -352.5 |
| C-76. | Min. 2,500 psi structural concrete | Min. 2-inch DeckVent EPS | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation</u> : (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard</u> : Min. 0.5-inch DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -202.5 |
| C-77. | Min. 2,500 psi structural concrete | Min. 2-inch DeckVent EPS | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | <u>Insulation</u> : (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard</u> : Min. 0.5-inch DuraStorm VSH | Flexible DASH or Flexible DASH DT (FULL) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -352.5 |
| C-78. | 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 <u>Coverboard</u> : Min. 1.5-inch DuraFaceR | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -157.5 |
| C-79. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 1.5-inch DuraFaceR | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -180.0 |

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

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

| Sys. No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|---|------------------------------------|---|--|--|--|--|--|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| C-80. | 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 or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -112.5 |
| C-81. | Min. 2,500 psi structural concrete | Min. 2-inch DeckVent EPS | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Min. 0.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 2-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -112.5 |
| C-82. | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | OB500 | (Optional) Additional layers of base insulation | OB500 | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -60.0 |
| C-83. | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-N, MP-W, ENRGY 3 or ACfoam II | OB500 | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -60.0 |
| C-84. | Min. 2,500 psi structural concrete | Min. 1.5-inch Polyisocyanurate MP-N or ENRGY 3 | OB500 | (Optional) Additional layers of base insulation | OB500 | VersiFlex PVC or VersiFlex FRS PVC | Low VOC PVC BA | -127.5 |
| C-85. | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-W or ACfoam II | OB500 | (Optional) Additional layers of base insulation | OB500 | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -150.0 |
| C-86. | Min. 2,500 psi structural concrete | Min. 1.5-inch Polyisocyanurate MP-N or ENRGY 3 | OB500 | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | OB500 | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -127.5 |
| C-87. | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield, Polyisocyanurate MP-W or ACfoam II | OB500 | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | OB500 | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -150.0 |
| VERSIFLEECE APPLICATIONS (PARTIAL BOND): | | | | | | | | |
| C-88. | Min. 2,500 psi structural concrete | Min. 0.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -37.5 |

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

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

| Sys. No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|--|------------------------------------|---|--|--|--|--|--------------|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| VERSIFLEECE APPLICATIONS (FULL BOND): | | | | | | | | |
| C-89. | 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 <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | HydroBond WB | -157.5 |
| C-90. | 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 <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | HydroBond WB | -157.5 |
| C-91. | 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 <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | HydroBond WB | -157.5 |
| 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 <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | HydroBond WB | -157.5 |
| C-93. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | HydroBond WB | -397.5 |
| C-94. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | HydroBond WB | -277.5 |
| C-95. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH DT (FULL) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH DT (FULL) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | HydroBond WB | -397.5 |
| C-96. | Min. 2,500 psi structural concrete | Min. 2-inch DeckVent EPS | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | HydroBond WB | -202.5 |

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

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

| Sys. No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|----------|------------------------------------|--|---|--|--|--|--|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| C-97. | Min. 2,500 psi structural concrete | Min. 2-inch DeckVent EPS | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | <u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (FULL) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | HydroBond WB | -397.5 |
| C-98. | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD | Flexible DASH DT (RIBBON) | <u>Insulation:</u> Min. 1.6-inch Kingspan “Optim-R” <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | HydroBond WB | -127.5 |
| C-99. | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD | Flexible DASH DT (FULL) | <u>Insulation:</u> Min. 1.6-inch Kingspan “Optim-R” <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH DT (FULL) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | HydroBond WB | -397.5 |
| C-100. | Min. 2,500 psi structural concrete | (Optional) 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 PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -157.5 |
| C-101. | 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 <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -157.5 |
| C-102. | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible DASH (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -397.5 |
| C-103. | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -277.5 |
| C-104. | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH DT (FULL) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible DASH DT (FULL) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -457.5 |
| 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 <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 0.4375-inch DEXcell Cement Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -157.5 |

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

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

| Sys. No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|----------|------------------------------------|---|--|---|--|--|--|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| C-106. | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 0.4375-inch DEXcell Cement Roof Board | Flexible DASH (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -345.0 |
| C-107. | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 0.4375-inch DEXcell Cement Roof Board | Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -277.5 |
| C-108. | 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 <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -157.5 |
| C-109. | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -187.5 |
| C-110. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB or min. 15/32-inch APA rated plywood | Flexible DASH (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -322.5 |
| C-111. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB or min. 15/32-inch APA rated plywood | Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -277.5 |
| C-112. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH DT (FULL) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB or min. 15/32-inch APA rated plywood | Flexible DASH DT (FULL) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -322.5 |

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

NOTE: REFER TO NOTE 16A FOR VAPOR BARRIER OPTIONS

| Sys. No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|----------|------------------------------------|---|---|---|--|--|--|--------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| C-113. | Min. 2,500 psi structural concrete | Min. 2-inch DeckVent EPS | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 7/16-inch APA rated OSB or min. 15/32-inch APA rated plywood | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -202.5 |
| C-114. | Min. 2,500 psi structural concrete | Min. 2-inch DeckVent EPS | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | <u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 7/16-inch APA rated OSB or min. 15/32-inch APA rated plywood | Flexible DASH or Flexible DASH DT (FULL) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -322.5 |
| C-115. | 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 <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -157.5 |
| C-116. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -397.5 |
| C-117. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -277.5 |
| C-118. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH DT (FULL) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH DT (FULL) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -397.5 |
| C-119. | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD | Flexible DASH DT (RIBBON) | <u>Insulation:</u> Min. 1.6-inch Kingspan “Optim-R” <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -127.5 |
| C-120. | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD | Flexible DASH DT (FULL) | <u>Insulation:</u> Min. 1.6-inch Kingspan “Optim-R” <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH DT (FULL) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -397.5 |

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

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

| Sys. No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|---|------------------------------------|---|---|--|--|--|--|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| C-121. | Min. 2,500 psi structural concrete | Min. 2-inch DeckVent EPS | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -202.5 |
| C-122. | Min. 2,500 psi structural concrete | Min. 2-inch DeckVent EPS | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | <u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (FULL) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -397.5 |
| C-123. | 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 <u>Coverboard:</u> Min. 1.5-inch DuraFaceR | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -157.5 |
| C-124. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1.5-inch DuraFaceR | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -187.5 |
| C-125. | 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 or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -112.5 |
| C-126. | Min. 2,500 psi structural concrete | Min. 2-inch DeckVent EPS | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Min. 0.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 2-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -112.5 |
| VERSIFLEECE RL PVC APPLICATIONS: | | | | | | | | |
| C-127. | 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 or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2.0-inch VersiCore RL | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece RL PVC | | -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**

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

| System No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|---|------------------------------------|--------------------------------------|--|--|--|--------------------------------------|---|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Top Ply | |
| VERSIFLEECE MEMBRANE APPLICATIONS (FULL BOND): | | | | | | | | |
| C-128. | Min. 2,500 psi structural concrete | Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | SureMB 90TG or 120TG / torch-applied | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -165.0 |

**TABLE 3c: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER**

| System No. | Deck (Note 1) | Insulation Layer (Note 3, Note 13) | Attachment | | Roof Cover (Note 15B) | MDP (psf) |
|---|--|--|--|---|---|--|
| | | | Fastener (Note 11) | Density / Pattern | | |
| RHINO BOND SYSTEMS: | | | | | | |
| C-129. | Min. 2,500 psi structural concrete | Min. 1-inch thick, one or more layers, any combination. | MP 14-10 Concrete Fastener or CD-10 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | 1 per 5.3 ft ² (6 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note A | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -45.0 |
| C-130. | Min. 2,500 psi structural concrete | Min. 1-inch thick, one or more layers, any combination. | MP 14-10 Concrete Fastener or CD-10 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | 1 per 4.0 ft ² (8 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note A | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -60.0 |
| C-131. | Min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination. | MP 14-10 Concrete Fastener or CD-10 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | 1 per 4.0 ft ² (8 parts per 4 x 8 ft board) 2 x 2 ft grid pattern | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -67.5 |
| C-132. | Min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached | MP 14-10 Concrete Fastener or CD-10 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | Max. 12-inch o.c. in rows max. 120-inch o.c. | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -30.0 |
| C-133. | Min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached | MP 14-10 Concrete Fastener or CD-10 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | Max. 18-inch o.c. in rows max. 60-inch o.c. | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -37.5 |
| C-134. | Min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached | MP 14-10 Concrete Fastener or CD-10 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | Max. 12-inch o.c. in rows max. 60-inch o.c. | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -52.5 |
| C-135. | Min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached | MP 14-10 Concrete Fastener or CD-10 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | Max. 6-inch o.c. in rows max. 120-inch o.c. | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -60.0 |
| C-136. | Min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached | MP 14-10 Concrete Fastener or CD-10 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | Max. 6-inch o.c. in rows max. 60-inch o.c. | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -90.0 |
| Notes: | A. The plate/fastener combination offset 12 inch from adjacent rows. | | | | | |
| ISOWELD INDUCTION WELDING SYSTEMS: | | | | | | |
| C-137. | Min. 2,500 psi structural concrete | One or more layers, any combination, min. 1.5-inch | Dekfast DF-#14-PH3 or DF-#15-PH3 with Carlisle isoweld PVC Plate or SFS Carlisle isoweld PVC Plate or SFS isoweld F1-P-6.8-PVC Plate | 1 per 6 ft ² 2 x 3-ft grid, staggered | VersiFlex PVC or VersiFlex KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions | -37.5 |
| C-138. | Min. 2,500 psi structural concrete | One or more layers, any combination, min. 1.5-inch, preliminarily attached | Dekfast DF-#14-PH3 or DF-#15-PH3 with Carlisle isoweld PVC Plate or SFS isoweld F1-P-6.8-PVC Plate | Max. 12-inch o.c. in rows max. 60-inch o.c. | VersiFlex PVC or VersiFlex KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions | -45.0 |

**TABLE 3c: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER**

| System No. | Deck (Note 1) | Insulation Layer (Note 3, Note 13) | Attachment | | Roof Cover (Note 15B) | MDP (psf) |
|------------|------------------------------------|--|--|---|---|--|
| | | | Fastener (Note 11) | Density / Pattern | | |
| C-139. | Min. 2,500 psi structural concrete | One or more layers, any combination, min. 1.5-inch | Dekfast DF-#14-PH3 or DF-#15-PH3 with Carlisle isoweld PVC Plate or SFS isoweld F1-P-6.8-PVC Plate | 1 per 4.0 ft ² 2 x 2-ft grid, staggered | VersiFlex PVC or VersiFlex KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions | -52.5 |
| C-140. | Min. 2,500 psi structural concrete | One or more layers, any combination, min. 1.5-inch | Dekfast DF-#14-PH3 or DF-#15-PH3 with Carlisle isoweld PVC Plate or SFS isoweld F1-P-6.8-PVC Plate | 1 per 3.0 ft ² 1.5 x 2-ft grid, staggered | VersiFlex PVC or VersiFlex KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions | -82.5 |
| C-141. | Min. 2,500 psi structural concrete | One or more layers, any combination, min. 1.5-inch, preliminarily attached | Dekfast DF-#14-PH3 or DF-#15-PH3 with Carlisle isoweld PVC Plate or SFS isoweld F1-P-6.8-PVC Plate | Max. 6-inch o.c. in rows max. 60-inch o.c. | VersiFlex PVC or VersiFlex KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions | -90.0 |

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

| System No. | Deck (Note 1) | Primer | Roof Cover (Note 15) | | MDP (psf) |
|------------|------------------------------------|--------|--|--|--|
| | | | Type | Attach | |
| C-142. | Min. 2,500 psi structural concrete | None | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -495.0 |

**TABLE 3E: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE G: OPTIONAL INSULATION, LOOSE-LAID ROOF COVER, PRESSURE EQUALIZING VENT**

| System No. | Deck (Note 1) | Air Barrier | Insulation | Underlayment | Roof Cover | | MDP (psf) |
|------------|------------------------------------|--|---|---|-----------------------------------|--|--|
| | | | | | Type | Attach | |
| C-143. | Min. 2,500 psi structural concrete | Versico 725TR or SureMB 90TG or 120TG/torch-applied in accordance with Versico requirements. | (Optional) Any fire classified roof insulation and/or coverboard combination, any thickness, loose-laid with staggered joints | 12-inch wide strips of polypropylene, air permeable filter fabric, loose laid in a crossing pattern, connecting the V2T vents | VersiFlex PVC or VersiFlex KEE HP | VacuSeal Vent installed in accordance with Versico instructions, spaced maximum 50 ft o.c. | -97.5 |

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

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

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

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

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

| System No. | Deck (Note 1) | Lightweight Concrete (Note 14) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf)* |
|------------|--------------------------------------|---|---|---|--|---|---|------------|
| | | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | | |
| LWC-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) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 1.5-inch DuraFaceR | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC / HydroBond WB | -187.5 |
| 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 <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFlex PVC or VersiFlex FRS PVC / HydroBond WB | -350.0 |
| LWC-17 | Min. 22 ga., Type BV, Grade 40 steel | Min. 300 psi, pre-existent cellular lightweight insulating concrete | Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | (Optional) Additional layer(s) of base insulation | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA | -52.5 |
| LWC-18 | Min. 22 ga., Type BV, Grade 40 steel | Min. 300 psi, pre-existent cellular lightweight insulating concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite or min. 1.5-inch DuraFaceR | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA | -52.5 |
| LWC-19 | Min. 22 ga., Type BV, Grade 40 steel | Min. 300 psi, pre-existent cellular lightweight insulating concrete | Min. 1.5-inch 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.) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA | -75.0 |
| LWC-20 | Min. 22 ga., Type BV, Grade 40 steel | Min. 300 psi, pre-existent cellular lightweight insulating concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite or min. 1.5-inch DuraFaceR | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA | -75.0 |
| LWC-21 | Min. 2,500 psi structural concrete | Min. 300 psi, pre-existent cellular lightweight insulating concrete | Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | (Optional) Additional layer(s) of base insulation | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA | -187.5 |

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

| System No. | Deck (Note 1) | Lightweight Concrete (Note 14) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf)* |
|---|--------------------------------------|---|---|---|--|---|---|------------|
| | | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | | |
| LWC-22 | 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 <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite or min. 1.5-inch DuraFaceR | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA | -187.5 |
| LWC-23 | Min. 2,500 psi structural concrete | Min. 300 psi, pre-existent cellular lightweight insulating concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex KEE HP / Low VOC PVC BA | -187.5 |
| LWC-24 | 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 <u>Coverboard:</u> Min. 0.4375-inch DEXcell Cement Roof Board | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA | -330.0 |
| LWC-25 | 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.) | VersiFlex PVC or VersiFlex FRS PVC / Low VOC PVC BA | -350.0 |
| LWC-26 | Min. 2,500 psi structural concrete | Min. 300 psi, pre-existent cellular lightweight insulating concrete | (Optional) Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA | -350.0 |
| LWC-27 | 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 <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFlex KEE HP / Low VOC PVC BA | -350.0 |
| VERSIFLEECE MEMBRANE APPLICATIONS (FULL BOND): | | | | | | | | |
| LWC-28 | Min. 22 ga., Type BV, Grade 40 steel | 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 PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -52.5 |

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

| System No. | Deck (Note 1) | Lightweight Concrete (Note 14) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf)* |
|------------|--------------------------------------|---|---|---|---|---|---|------------|
| | | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | | |
| LWC-29 | Min. 22 ga., Type BV, Grade 40 steel | 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 <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite or min. 1.5-inch DuraFaceR | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -52.5 |
| LWC-30 | Min. 22 ga., Type BV, Grade 40 steel | 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 <u>Coverboard:</u> 0.4375-inch DEXcell Cement Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -52.5 |
| LWC-31 | Min. 22 ga., Type BV, Grade 40 steel | 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 PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -75.0 |
| LWC-32 | Min. 22 ga., Type BV, Grade 40 steel | 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 <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite or min. 1.5-inch DuraFaceR | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -75.0 |
| LWC-33 | Min. 22 ga., Type BV, Grade 40 steel | 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 <u>Coverboard:</u> 0.4375-inch DEXcell Cement Roof Board | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -75.0 |
| LWC-34 | 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 PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -187.5 |
| LWC-35 | 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 <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite or min. 1.5-inch DuraFaceR | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / 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 (Note 1) | Lightweight Concrete (Note 14) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf)* |
|------------|------------------------------------|---|---|---|--|---|---|------------|
| | | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | | |
| LWC-36 | 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 <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or 0.4375-inch DEXcell Cement Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -187.5 |
| LWC-37 | 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 PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -350.0 |
| LWC-38 | 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 <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or min. 2-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -350.0 |
| LWC-39 | 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 <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or 0.4375-inch DEXcell Cement Roof Board | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -350.0 |

**TABLE 4B-1: LIGHTWEIGHT CONCRETE OVER STEEL DECK - NEW CONSTRUCTION OR
SYSTEM TYPE F: LWC TO STEEL DECK, BONDED BAREBACK ROOF COVER**

| System No. | Deck (Note 1) | Lightweight Concrete (Note 14) | | Supplemental Attachment | | Roof Cover (Note 15) | | MDP (psf) |
|-------------------------------|---|--|---------------------------|-------------------------|---------------------------|--------------------------------------|----------------|---------------------------|
| | | Type | Treatment | Fastener | Density | Type | Attach | |
| BAREBACK APPLICATIONS: | | | | | | | | |
| LWC-40 | Min. 24 ga., Type 1.0FDV Grade 80 steel; 6 ft span; 5/8" puddle welds with weld washers, 8-inch o.c. | CELCORE (FL2037): Treatment: Celcore S-1 Deck Preparation Slurry LWC: Min. 370 psi, Min. 2-inch thick, Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | None | None | N/A | VersiFlex PVC | Low VOC PVC BA | -37.5 |
| LWC-41 | Min. 22 ga., Type BV, Grade 33 steel; 6 ft span, 1/2" puddle welds with weld-washers, 6-inch o.c. | CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A. | None | None | N/A | VersiFlex PVC | Low VOC PVC BA | -60.0 |
| LWC-42 | Min. 22 ga., Type BV, Grade 33 steel; 6 ft span, 1/2" puddle welds with weld-washers, 6-inch o.c. | CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A. | None | Note 2 | 1 per 9.0 ft ² | VersiFlex PVC | Low VOC PVC BA | -67.5 |
| LWC-43 | Min. 22 ga., Type BV, Grade 40 steel; 6 ft span; 5/8" puddle welds, 6-inch o.c. | CELCORE (FL2037): Treatment: Celcore S-1 Deck Preparation Slurry LWC: Min. 310 psi, Min. 2-inch thick, Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | None | None | N/A | VersiFlex PVC | Low VOC PVC BA | -82.5 |
| LWC-44 | Min. 22 ga., Type BV, Grade 33 steel; 6 ft span, 1/2" puddle welds with weld-washers, 6-inch o.c. | CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A. | None | Note 2 | 1 per 1.0 ft ² | VersiFlex PVC | Low VOC PVC BA | -90.0 |
| LWC-45 | Min. 22 ga., Type BV, Grade 80 steel; 5 ft span; 5/8" puddle welds with weld washers, 6" o.c | CONCRECEL (FL5584 & FL10500): Concrecel Bonding Agent followed by min. 350 psi, min. 2.25-inch thick, Concrecel Lightweight Insulating Concrete (EPS holey board optional) | Concrecel Curing Compound | N/A | N/A | VersiFlex KEE HP | Low VOC PVC BA | -97.5 |
| LWC-46 | Min. 20 ga., Type BV, Grade 33 steel; 6-ft 3-inch span; 5/8" puddle welds or #12 HWH Tek 5, 6-inch o.c. | ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (EPS board optional) | None | None | N/A | VersiFlex KEE HP | Low VOC PVC BA | -52.5 |
| LWC-47 | Min. 22 ga., Type BV, Grade 33 steel; 6-ft span; 5/8" puddle welds or #12 HWH Tek 5, 6-inch o.c. | ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 2-inch thick, minimum 1.0 pcf EPS holey board required) | None | None | N/A | VersiFlex KEE HP | Low VOC PVC BA | -82.5 |
| LWC-48 | Min. 22 ga., Type BV, Grade 33 steel; 5-ft span; 5/8" puddle welds or #12 HWH Tek 5, 6-inch o.c. | ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 1-inch thick, minimum 1.0 pcf EPS holey board required) | None | None | N/A | VersiFlex KEE HP | Low VOC PVC BA | -97.5 |
| LWC-49 | Min. 22 ga., Type BV, Grade 33 steel; 5-ft span; 5/8" puddle welds or #12 HWH Tek 5, 6-inch o.c. | ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 2-inch thick, minimum 1.0 pcf EPS holey board required) | None | None | N/A | VersiFlex KEE HP | Low VOC PVC BA | -112.5 |

**TABLE 4B-2: LIGHTWEIGHT CONCRETE OVER STEEL DECK - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: LWC TO STEEL DECK, BONDED FLEECEBACK ROOF COVER**

| System No. | Deck (Note 1) | Lightweight Concrete (Note 14) | | Supplemental Attachment | | Roof Cover (Note 15) | | MDP (psf) |
|---|--|--|--------------------------------------|-------------------------|---------------------------|--|--|---------------------------|
| | | Type | Treatment | Fastener | Density | Type | Attach | |
| VERSIFLEECE APPLICATIONS (PARTIAL BOND): | | | | | | | | |
| LWC-50 | Min. 24 ga., Type 1.0FDV Grade 80 steel; 6 ft span; 5/8" puddle welds with weld washers, 8-inch o.c. | CELCORE (FL2037): Treatment: Celcore S-1 Deck Preparation Slurry LWC: Min. 370 psi, Min. 2-inch thick, Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | Celcore PVA | None | N/A | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -37.5 |
| LWC-51 | Min. 22 ga., Type BV, Grade 40 steel; 6 ft span; 5/8" puddle welds, 6-inch o.c. | CELCORE (FL2037): Treatment: Celcore S-1 Deck Preparation Slurry LWC: Min. 310 psi, Min. 2-inch thick, Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | Celcore PVA | None | N/A | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | -82.5 |
| VERSIFLEECE APPLICATIONS (FULL BOND): | | | | | | | | |
| LWC-52 | Min. 22 ga., Type BV, Grade 33 steel; 6 ft span, 1/2" puddle welds with weld-washers, 6-inch o.c. | CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A. | None | None | N/A | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -60.0 |
| LWC-53 | Min. 22 ga., Type BV, Grade 33 steel; 6 ft span, 1/2" puddle welds with weld-washers, 6-inch o.c. | CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A. | None | Note 2 | 1 per 9.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -67.5 |
| LWC-54 | Min. 22 ga., Type BV, Grade 33 steel; 4 ft span, puddle welds with 3/8" weld-washers, 6-inch o.c. | CELCORE (FL2037): Min. 38 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A. | Celcore PVA | None | N/A | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -67.5 |
| LWC-55 | Min. 22 ga., Type BV, Grade 33 steel; 6 ft span, 1/2" puddle welds with weld-washers, 6-inch o.c. | CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A. | None | Note 2 | 1 per 1.0 ft ² | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -120.0 |
| LWC-56 | Min. 22 ga., Type BV, Grade 80 steel; 5-ft span; 5/8" puddle welds with weld-washers, 6-inch o.c. | CONCRECEL (FL5584 & FL10500): Deck primed with Concrecel Bonding Agent at 600 ft ² /gallon. Min. 350 psi, min. 2-inch thick, Concrecel Lightweight Insulating Concrete (Minimum 1-inch thick, minimum 1.0 pcf EPS holey board required) | (Optional) Concrecel Curing Compound | None | N/A | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH (FULL) | -97.5 |
| LWC-57 | Min. 22 ga., Type BV, Grade 80 steel; 6-ft span; 5/8" puddle welds, 6-inch o.c. | CONCRECEL (FL5584 & FL10500): Min. 350 psi, min. 2-inch thick, Concrecel Lightweight Insulating Concrete (No EPS board) | None | None | N/A | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH (FULL) | -105.0 |

| | | | | | | | | |
|--------|--|---|------|------|-----|--|----------------------|--------|
| LWC-58 | Min. 22 ga., Type BV, Grade 80 steel; 6-ft span; 5/8" puddle welds with weld-washers, 6-inch o.c. | CONCRECEL (FL5584 & FL10500): Min. 350 psi, min. 2-inch thick, Concrecel Lightweight Insulating Concrete (Minimum 2-inch thick, minimum 1.0 pcf EPS holey board required) | None | None | N/A | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH (FULL) | -135.0 |
| LWC-59 | Min. 20 ga., Type BV, Grade 33 steel; 6-ft 3-inch span; 5/8" puddle welds or #12 HWH Tek 5, 6-inch o.c. | ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (EPS board optional) | None | None | N/A | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH (FULL) | -52.5 |
| LWC-60 | Min. 22 ga., Type BV, Grade 33 steel; 6-ft span; 5/8" puddle welds or #12 HWH Tek 5, 6-inch o.c. | ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 2-inch thick, minimum 1.0 pcf EPS holey board required) | None | None | N/A | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH (FULL) | -82.5 |
| LWC-61 | Min. 22 ga., Type BV, Grade 33 steel; 5-ft span; 5/8" puddle welds or #12 HWH Tek 5, 6-inch o.c. | ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 1-inch thick, minimum 1.0 pcf EPS holey board required) | None | None | N/A | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH (FULL) | -97.5 |
| LWC-62 | Min. 22 ga., Type BV, Grade 33 steel; 5-ft span; 5/8" puddle welds or #12 HWH Tek 5, 6-inch o.c. | ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 2-inch thick, minimum 1.0 pcf EPS holey board required) | None | None | N/A | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH (FULL) | -112.5 |
| Note | A.) <i>If the type of LWC to be used on the project is unknown, as in a re-roof (tear-off) condition, compressive strength and fastener withdrawal resistance testing shall be conducted. Compressive strength testing shall be in accordance with ASTM C495 (for new pour) or ASTM C513 (for existing) and shall yield a minimum 200 psi result. Field withdrawal resistance testing in accordance with Note 11 shall yield an average withdrawal performance not less than 55 lbf with a Trufast FM-90 Base Sheet Fastener. If question exists as to the adhesion to the LWC surface, field testing in accordance with Note 12 is recommended. All testing shall be performed by an accredited testing agency acceptable to the Authority Having Jurisdiction.</i> | | | | | | | |

**TABLE 4c-1: LIGHTWEIGHT CONCRETE OVER STRUCTURAL CONCRETE – NEW CONSTRUCTION
SYSTEM TYPE F: LWC TO CONCRETE DECK, BONDED BAREBACK ROOF COVER**

| System No. | Deck (Note 1) | Lightweight Concrete (Note 14) | Roof Cover (Note 15) | | MDP (psf) |
|-------------------------------|------------------------------------|---|--------------------------------------|----------------|-----------|
| | | | Membrane | Application | |
| BAREBACK APPLICATIONS: | | | | | |
| LWC-63 | Min. 2,500 psi structural concrete | CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A. | VersiFlex PVC | Low VOC PVC BA | -90.0 |
| LWC-64 | Min. 2,500 psi structural concrete | CONCRECEL (FL5584 & FL10500): Min. 350 psi, min. 2.5-inch thick, Concrecel Lightweight Insulating Concrete (EPS board optional) | VersiFlex KEE HP | Low VOC PVC BA | -330.0 |
| LWC-65 | Min. 2,500 psi structural concrete | Min. 350 psi, min. 2-inch thick cellular lightweight insulating concrete; Note: To qualify the LWIC under this assembly, an OMG CR-R Assembled Base Sheet Fastener (1.7 in.) shall achieve minimum fastener withdrawal of 101 lbf per Note 11 . | VersiFlex KEE HP | Low VOC PVC BA | -330.0 |

**TABLE 4c-2: LIGHTWEIGHT CONCRETE OVER STRUCTURAL CONCRETE – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: LWC TO CONCRETE DECK, BONDED FLEECEBACK ROOF COVER**

| System No. | Deck (Note 1) | Lightweight Concrete (Note 14) | Roof Cover (Note 15) | | MDP (psf) |
|--|---|--|--|---|-----------|
| | | | Membrane | Application | |
| VERSIFLEECE APPLICATIONS (FULL BOND): | | | | | |
| LWC-66 | Min. 2,500 psi structural concrete | CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A. | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -232.5 |
| LWC-67 | Min. 2,500 psi structural concrete | CONCRECEL (FL5584 & FL10500): Min. 350 psi, min. 2-inch thick, Concrecel Lightweight Insulating Concrete (EPS board optional) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH (FULL) | -282.5 |
| LWC-68 | Min. 2,500 psi structural concrete | ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (EPS board optional) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH (FULL) | -240.0 |
| LWC-69 | Min. 2,500 psi structural concrete | ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (no EPS board) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH (FULL) | -250.0 |
| LWC-70 | Min. 2,500 psi structural concrete | Min. 350 psi, min. 2-inch thick pre-existent cellular lightweight insulating concrete; Note: To qualify the LWIC under this assembly, an OMG CR-R Assembled Base Sheet Fastener (1.7 in.) shall achieve a minimum fastener withdrawal of 101 lbf per Note 11 . | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH (FULL) | -282.5 |
| LWC-71 | Min. 2,500 psi structural concrete | Min. 350 psi, min. 2-inch thick pre-existent cellular lightweight insulating concrete; Note: To qualify the LWIC under this assembly, an OMG CR-R Assembled Base Sheet Fastener (1.7 in.) shall achieve a minimum fastener withdrawal of 101 lbf per Note 11 . | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH DT (SPLATTER at 3.5-4.0 lbs/sq) | -345.0 |
| Note: | A.) If the type of LWC to be used on the project is unknown, as in a re-roof (tear-off) condition, compressive strength and fastener withdrawal resistance testing shall be conducted. Compressive strength testing shall be in accordance with ASTM C495 (for new pour) or ASTM C513 (for existing) and shall yield a minimum 200 psi result. Field withdrawal resistance testing in accordance with Note 11 shall yield an average withdrawal performance not less than 55 lbf with a Trufast FM-90 Base Sheet Fastener. If question exists as to the adhesion to the LWC surface, field testing in accordance with Note 12 is recommended. All testing shall be performed by an accredited testing agency acceptable to the Authority Having Jurisdiction. | | | | |

**TABLE 4d: PRE-EXISTENT LIGHTWEIGHT INSULATING CONCRETE DECKS - REROOF (TEAR-OFF)
SYSTEM TYPE F: LWC, NON-INSULATED, BONDED FLEECEBACK ROOF COVER**

A The reported MDP documents the allowable maximum design pressure of the new roof cover when installed atop the pre-existent 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) | Field QA Fastener Withdrawal per TAS 105 per Note 11 | Primer | Roof Cover (Note 15) | | MDP (psf) ^a |
|--|---|---|---|--|---|------------------------|
| | | | | Base Ply | Cap Ply | |
| PRE-EXISTENT CELLULAR LIGHTWEIGHT CONCRETE: | | | | | | |
| FLEECEBACK MEMBRANES: | | | | | | |
| LWC-72 | Pre-existent cellular lightweight concrete, min. 760 psi, min. 2-inch thick | Fastener: Versico 1.8 Dual-Prong Base-Sheet Fastener Minimum Characteristic Resistance Force (MCRF): 204 lbf | Cav-Grip 3V Adhesive/Primer at 0.225 gal/square | SureMB 70 SA, self-adhering | VersiFleece PVC / Flexible DASH (FULL, SPLATTER) | -297.5 |
| LWC-73 | Pre-existent cellular lightweight concrete, min. 760 psi, min. 2-inch thick | Fastener: Versico 1.8 Dual-Prong Base-Sheet Fastener Minimum Characteristic Resistance Force (MCRF): 204 lbf | Cav-Grip 3V Adhesive/Primer at 0.225 gal/square | SureMB 70 SA, self-adhering | VersiFleece KEE HP / Flexible DASH (FULL, SPLATTER) | -360.0 |
| LWC-74 | Pre-existent cellular lightweight concrete, min. 760 psi, min. 2-inch thick | Fastener: Versico 1.8 Dual-Prong Base-Sheet Fastener Minimum Characteristic Resistance Force (MCRF): 204 lbf | None | None | VersiFleece PVC / Flexible DASH (FULL, SPLATTER) | -372.5 |
| LWC-75 | Pre-existent cellular lightweight concrete, min. 760 psi, min. 2-inch thick | Fastener: Versico 1.8 Dual-Prong Base-Sheet Fastener Minimum Characteristic Resistance Force (MCRF): 204 lbf | None | None | VersiFleece KEE HP / Flexible DASH (FULL, SPLATTER) | -410.0 |

**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 (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|-------------------------------|-------------------------------|--|---|--|---|--|-----------------------|---------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Type | Application | |
| BAREBACK APPLICATIONS: | | | | | | | | |
| CFW-1 | Min. 2-inch Tectum Plank | (Optional) Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -82.5 |
| CFW-2 | Min. 2-inch Tectum Plank | Min. 1.5-inch VersiCore, SecurShield and/or min. 2-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | (Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board 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) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -82.5 |
| CFW-3 | Min. 2-inch Tectum Plank | (Optional) Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or Min. 1.5-inch DuraFaceR | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond B-A | -82.5 |
| CFW-4 | Min. 2-inch Tectum Plank | Min. 1.5-inch VersiCore, SecurShield and/or min. 2-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | (Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board 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) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond B-A | -82.5 |
| CFW-5 | Min. 2-inch Tectum Plank | (Optional) Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, 0.4375-inch DEXcell Cement Roof Board, Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or Min. 1.5-inch DuraFaceR | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -82.5 |
| CFW-6 | Min. 2-inch Tectum Plank | Min. 1.5-inch VersiCore, SecurShield and/or min. 2-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | (Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -82.5 |
| CFW-7 | 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, DEXcell FA Glass Mat Roof Board 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) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -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 (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|------------|-------------------------------|---|---|---|---|--|-----------------------|---------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Type | Application | |
| CWF-8 | Min. 2-inch Tectum Plank | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board 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 | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -277.5 |
| CWF-9 | 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, DEXcell FA Glass Mat Roof Board 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) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -277.5 |
| CWF-10 | Min. 2-inch Tectum Plank | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board 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 | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -277.5 |
| CWF-11 | 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, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, 0.4375-inch DEXcell Cement 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) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC BA | -277.5 |
| CWF-12 | Min. 2-inch Tectum Plank | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, 0.4375-inch DEXcell Cement 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 | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC BA | -277.5 |

FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):

**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 (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|------------|-------------------------------|---|---|--|---|--|--|---------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Type | Application | |
| CFW-13 | Min. 2-inch Tectum Plank | (Optional) Min. 1.5-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, 0.4375-inch DEXcell Cement Roof Board, Min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH or Min. 1.5-inch DuraFaceR | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -82.5 |
| CFW-14 | Min. 2-inch Tectum Plank | Min. 1.5-inch VersiCore, SecurShield and/or min. 2-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | (Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -82.5 |
| CFW-15 | 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, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, 0.4375-inch DEXcell Cement 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 PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -277.5 |
| CFW-16 | Min. 2-inch Tectum Plank | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, 0.4375-inch DEXcell Cement 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 PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -277.5 |

**TABLE 5B: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER**

| System No. | Deck (Note 1) | Anchor Sheet | | | Base Insulation | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf) |
|---|----------------------------------|----------------|---|---|--|---|---|--|---|------------------------------|
| | | Type | Fastener (Note 11) | Attach | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | | |
| BAREBACK APPLICATIONS: | | | | | | | | | | |
| CFW-17 | Min. 2-inch Tectum Plank | SureMB G2 Base | Dual-Prong Base Sheet Fastener, min. 1.4-inch embedment | 9-inch o.c. in the 4-inch side laps and 18-inch o.c. in two staggered rows in the center of the sheet | Min. 1.5-inch VersiCore, SecurShield and/or min. 2-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBONS, ~10.5-inch o.c., atop anchor sheet fastener rows) | (Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board 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) | VersiFlex PVC or VersiFlex FRS PVC / CAV-GRIP PVC Adhesive | -30.0 |
| CFW-18 | Min. 2-inch Tectum Plank | SureMB G2 Base | Dual-Prong Base Sheet Fastener, min. 1.4-inch embedment | 9-inch o.c. in the 4-inch side laps and 18-inch o.c. in two staggered rows in the center of the sheet | Min. 1.5-inch VersiCore, SecurShield and/or min. 2-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBONS, ~10.5-inch o.c., atop anchor sheet fastener rows) | (Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board 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) | VersiFlex PVC or VersiFlex FRS PVC / HydroBond B-A | -30.0 |
| CFW-19 | Min. 2-inch Tectum Plank | SureMB G2 Base | Dual-Prong Base Sheet Fastener, min. 1.4-inch embedment | 9-inch o.c. in the 4-inch side laps and 18-inch o.c. in two staggered rows in the center of the sheet | Min. 1.5-inch VersiCore, SecurShield and/or min. 2-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBONS, ~10.5-inch o.c., atop anchor sheet fastener rows) | (Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP / Low VOC PVC BA | -30.0 |
| FLEECEBACK APPLICATIONS (FULL BOND): | | | | | | | | | | |
| CFW-20 | Min. 2-inch Tectum Plank | SureMB G2 Base | Dual-Prong Base Sheet Fastener, min. 1.4-inch embedment | 9-inch o.c. in the 4-inch side laps and 18-inch o.c. in two staggered rows in the center of the sheet | Min. 1.5-inch VersiCore, SecurShield and/or min. 2-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBONS, ~10.5-inch o.c., atop anchor sheet fastener rows) | (Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -30.0 |

**TABLE 5c: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION SYSTEM
TYPE F: NON-INSULATED, BONDED ROOF COVER**

| System No. | Deck (Note 1) | Primer | Roof Cover (Note 15) | | MDP (psf) |
|------------|----------------------------------|--------|--|---|-----------|
| | | | Type | Attach | |
| CFW-21 | Min. 2-inch Tectum Plank | None | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH (RIBBONS 12-inch o.c.) or Flexible DASH DT (RIBBONS 12-inch o.c.) | -105.0 |
| CFW-22 | Min. 2-inch Tectum Plank | None | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH (FULL) or Flexible DASH DT (FULL) | -601.5 |

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

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

| System No. | Deck (Note 1, Note 12) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|-------------------------------|---|--|--|--|--|--------------------------------------|-----------------------|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Type | Application | |
| BAREBACK APPLICATIONS: | | | | | | | | |
| G-1. | Existing gypsum deck | Min. 1-inch VersiCore, SecurShield and/or min. 2-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | (Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board 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) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -237.5 |
| G-2. | Existing gypsum deck | 0.5-inch DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | None | N/A | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -352.5 |
| G-3. | Existing gypsum deck | Min. 0.5-inch SecurShield HD, SecurShield HD Plus, H- Shield HD | Flexible DASH or Flexible DASH DT (RIBBON) | None | N/A | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -397.5 |
| G-4. | Existing gypsum deck | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | None | N/A | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -397.5 |
| G-5. | 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 | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -495.0 |
| G-6. | 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 <u>Coverboard:</u> Min. 1.5-inch DuraFaceR | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -157.5 |
| G-7. | Existing gypsum deck | Min. 1.5-inch DuraFaceR | Flexible DASH or Flexible DASH DT (RIBBON) | None | N/A | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -180.0 |
| G-8. | Existing gypsum deck | Min. 1-inch VersiCore, SecurShield and/or min. 2-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | (Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board 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) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -237.5 |
| G-9. | Existing gypsum deck | 0.5-inch DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | None | N/A | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -352.5 |

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

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

| System No. | Deck (Note 1, Note 12) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|------------|---|--|--|---|--|--|----------------|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Type | Application | |
| G-10. | Existing gypsum deck | Min. 0.5-inch SecurShield HD, SecurShield HD Plus, H- Shield HD | Flexible DASH or Flexible DASH DT (RIBBON) | None | N/A | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -397.5 |
| G-11. | Existing gypsum deck | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | None | N/A | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -397.5 |
| G-12. | 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 | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -495.0 |
| G-13. | 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 <u>Coverboard:</u> Min. 1.5-inch DuraFaceR | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -157.5 |
| G-14. | Existing gypsum deck | Min. 1.5-inch DuraFaceR | Flexible DASH or Flexible DASH DT (RIBBON) | None | N/A | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -180.0 |
| G-15. | Existing gypsum deck | Min. 1-inch VersiCore, SecurShield and/or min. 2-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | (Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -237.5 |
| G-16. | Existing gypsum deck | Min. 0.4375-inch DEXcell Cement Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | None | N/A | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -330.0 |
| G-17. | Existing gypsum deck | 0.5-inch DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | None | N/A | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -352.5 |
| G-18. | Existing gypsum deck | Min. 0.5-inch SecurShield HD, SecurShield HD Plus, H- Shield HD | Flexible DASH or Flexible DASH DT (RIBBON) | None | N/A | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -397.5 |

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

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

| System No. | Deck (Note 1, Note 12) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|--|---|--|--|---|--|--|---|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Type | Application | |
| G-19. | Existing gypsum deck | Min. 0.25-inch DEXcell FA Glass Mat Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | None | N/A | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -397.5 |
| G-20. | 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 | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -495.0 |
| VERSI FLEECE APPLICATIONS (PARTIAL BOND): | | | | | | | | |
| G-21. | Existing gypsum deck | Min. 1-inch VersiCore, SecurShield and/or min. 2-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 PVC, VersiFleece FRS PVC or VersiFleece KEE HP | DASH DT, Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0 |
| G-22. | Existing gypsum deck | 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) | None | N/A | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | DASH DT, Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -45.0 |
| VERSI FLEECE APPLICATIONS (FULL BOND): | | | | | | | | |
| G-23. | 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 <u>Coverboard:</u> Min. 1.5-inch DuraFaceR | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -157.5 |
| G-24. | Existing gypsum deck | Min. 1.5-inch DuraFaceR | Flexible DASH or Flexible DASH DT (RIBBON) | None | N/A | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -187.5 |
| G-25. | Existing gypsum deck | Min. 1-inch VersiCore, SecurShield and/or min. 2-inch SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | (Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -237.5 |
| G-26. | Existing gypsum deck | (Optional) Min. 1-inch Insulfoam IX, XIV or XV | Flexible DASH (FULL) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch Insulfoam SP | Flexible DASH (FULL) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH (FULL) | -295.0 |

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

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

| System No. | Deck (Note 1, Note 12) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|------------|---|---|--|-------------------------|---|--|--|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Type | Application | |
| G-27. | Existing gypsum deck | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or 0.4375-inch DEXcell Cement Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | None | N/A | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -345.0 |
| G-28. | Existing gypsum deck | 0.5-inch DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | None | N/A | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -352.5 |
| G-29. | Existing gypsum deck | Min. 0.5-inch SecurShield HD, SecurShield HD Plus, H- Shield HD | Flexible DASH or Flexible DASH DT (RIBBON) | None | N/A | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -397.5 |
| G-30. | 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 PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -495.0 |
| G-31. | Existing gypsum deck | PremiR+ EVO (FL46691) , spray-applied to 1-inch lift | N/A | None | N/A | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL, splatter-applied) | -937.5 |

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

| System No. | Deck (Note 1, Note 12) | Primer | Roof Cover (Note 15) | | MDP (psf) |
|------------|--|--------|--|--|---------------------------|
| | | | Type | Attach | |
| G-32. | Existing gypsum deck | None | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -295.0 |

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

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

| System No. | Substrate (Note 1, Note 12) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) ^A |
|-------------------------------|--|---|---|---|--|------------------------------------|-----------------------|---------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Type | Application | |
| BAREBACK APPLICATIONS: | | | | | | | | |
| R-1. | Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen | (Optional) Min. 1-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 1.5-inch DuraFaceR or SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -145.0 |
| R-2. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 1-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 1.5-inch DuraFaceR or SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -145.0 |
| R-3. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 1.5-inch DuraFaceR or SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | None | N/A | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -145.0 |
| R-4. | Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen | Min. 1-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board 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) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -167.0 |
| R-5. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 1-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board 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) | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -167.0 |

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

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

| System No. | Substrate (Note 1, Note 12) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) ^A |
|------------|--|---|---|--|--|------------------------------------|-----------------------|---------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Type | Application | |
| R-6. | Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | None | N/A | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -302.5 |
| R-7. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | None | N/A | VersiFlex PVC or VersiFlex FRS PVC | CAV-GRIP PVC Adhesive | -302.5 |
| R-8. | Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen | Min. 1-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -167.0 |
| R-9. | 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.) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -167.0 |
| R-10. | Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, SecurShield HD, SecurShield HD Plus | Flexible DASH or Flexible DASH DT (RIBBON) | None | N/A | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -302.5 |
| R-11. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 0.5-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, SecurShield HD, SecurShield HD Plus | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | None | N/A | VersiFlex PVC or VersiFlex FRS PVC | HydroBond WB | -302.5 |

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

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

| System No. | Substrate (Note 1, Note 12) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) ^A |
|------------|--|---|---|--|--|--|----------------|---------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Type | Application | |
| R-12. | Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen | (Optional) Min. 1-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 1.5-inch DuraFaceR or SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -145.0 |
| R-13. | 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.) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 1.5-inch DuraFaceR or SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -145.0 |
| R-14. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 1.5-inch DuraFaceR or SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | None | N/A | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -145.0 |
| R-15. | Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen | Min. 1-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -167.0 |
| R-16. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 1-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -167.0 |

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

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

| System No. | Substrate (Note 1, Note 12) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) ^A |
|---|--|--|---|---|--|--|--|---------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Type | Application | |
| R-17. | Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, 0.4375-inch DEXcell Cement 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 | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -302.5 |
| R-18. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, 0.4375-inch DEXcell Cement 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 | VersiFlex PVC, VersiFlex FRS PVC or VersiFlex KEE HP | Low VOC PVC BA | -302.5 |
| VERSIFLEECE APPLICATIONS (PARTIAL BOND): | | | | | | | | |
| R-19. | Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen | (Optional) Min. 1-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -37.5 |
| R-20. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 1-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -37.5 |
| R-21. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 0.5-inch DensDeck Prime | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | None | N/A | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (RIBBON, 12-inch o.c.) | -37.5 |
| VERSIFLEECE APPLICATIONS (FULL BOND): | | | | | | | | |

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

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

| System No. | Substrate (Note 1, Note 12) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) ^A |
|------------|--|---|---|---|--|--|--|---------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Type | Application | |
| R-22. | Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen | (Optional) Min. 1-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 1.5-inch DuraFaceR or SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -145.0 |
| R-23. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 1-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 1.5-inch DuraFaceR or SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -145.0 |
| R-24. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 1.5-inch DuraFaceR or SecurShield HD Composite | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | None | N/A | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -145.0 |
| R-25. | Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen | Min. 1-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board 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 PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -167.0 |
| 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 | Min. 1-inch VersiCore, SecurShield | Flexible DASH or Flexible DASH DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) 0.4375-inch DEXcell Cement Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -167.0 |

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

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

| System No. | Substrate (Note 1, Note 12) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) ^A |
|------------|--|---|---|---|--|--|--|---------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Type | Application | |
| R-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.) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board 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 PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -167.0 |
| R-28. | 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.) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) 0.4375-inch DEXcell Cement Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -167.0 |
| R-29. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board 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 PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -167.0 |
| R-30. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | 0.4375-inch DEXcell Cement Roof Board | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | None | N/A | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -167.0 |
| 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 | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON) | None | N/A | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -302.5 |
| R-32. | 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 | 0.4375-inch DEXcell Cement Roof Board | Flexible DASH or Flexible DASH DT (RIBBON) | None | N/A | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -302.5 |

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

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

| System No. | Substrate (Note 1, Note 12) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) ^A |
|--|--|---|---|--|--|--|--|---------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Type | Application | |
| R-33. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or DuraStorm VSH | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | None | N/A | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) or HydroBond WB | -302.5 |
| R-34. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | 0.4375-inch DEXcell Cement Roof Board | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | None | N/A | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -302.5 |
| VERSI FLEECE RL PVC APPLICATIONS: | | | | | | | | |
| R-35. | 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 <u>Coverboard:</u> Min. 2.0-inch VersiCore RL | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece RL PVC | | -142.5 |
| R-36. | 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 <u>Coverboard:</u> Min. 2.0-inch VersiCore RL | Flexible DASH or Flexible DASH DT (RIBBON) | VersiFleece RL PVC | | -142.5 |
| R-37. | 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 PVC | | -142.5 |

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

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

| System No. | Substrate (Note 1 , Note 12) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) ^A |
|---|--|--|---|--|--|--|---|---------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base | Application | |
| VERSIFLEECE MEMBRANE APPLICATIONS (FULL BOND): | | | | | | | | |
| R-38. | 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 <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 PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -165.0 |
| R-39. | 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 <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 PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -165.0 |
| R-40. | 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 PVC, VersiFleece FRS PVC or VersiFleece KEE HP / Flexible DASH or Flexible DASH DT (FULL) | -165.0 |

TABLE 7c: STEEL - RECOVER
SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER
All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin

| System No. | Substrate (Note 1) | Insulation Layer (Note 5) | Attachment | | Roof Cover (Note 15B) | MDP (psf) |
|--|--|---|---|---------------------------------|---|-----------|
| | | | Fastener (Note 11) | Spacing | | |
| RHINOBOND SYSTEMS: | | | | | | |
| R-41. | Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 120-inch o.c. | One or more layers, any combination, preliminarily fastened | Versico Purlin Fastener or RetroDriller Fastener with RhinoBond Plate-PVC are fastened through to purlins | Max. 12-inch o.c. along purlins | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -30.0 |
| R-42. | Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 60-inch o.c. | One or more layers, any combination, preliminarily fastened | Versico Purlin Fastener or RetroDriller Fastener with RhinoBond Plate-PVC are fastened through to purlins | Max. 18-inch o.c. along purlins | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -37.5 |
| R-43. | Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 60-inch o.c. | One or more layers, any combination, preliminarily fastened | Versico Purlin Fastener or RetroDriller Fastener with RhinoBond Plate-PVC are fastened through to purlins | Max. 12-inch o.c. along purlins | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -52.5 |
| R-44. | Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 120-inch o.c. | One or more layers, any combination, preliminarily fastened | Versico Purlin Fastener or RetroDriller Fastener with RhinoBond Plate-PVC are fastened through to purlins | Max. 6-inch o.c. along purlins | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -60.0 |
| R-45. | Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 60-inch o.c. | One or more layers, any combination, preliminarily fastened | Versico Purlin Fastener or RetroDriller Fastener with RhinoBond Plate-PVC are fastened through to purlins | Max. 6-inch o.c. along purlins | VersiFlex PVC or VersiFlex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -90.0 |
| ISOWELD INDUCTION WELDING SYSTEM: | | | | | | |
| R-46. | Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi steel purlins spaced max. 60-inch o.c. | One or more layers, any combination, preliminarily fastened | Dekfast DF-#12-PC-SQ3 with Carlisle isoweld PVC Plate or SFS isoweld F1-P-6.8-PVC Plate are fastened through to purlins | Max. 12-inch o.c. along purlins | VersiFlex PVC or VersiFlex KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions | -45.0 |
| R-47. | Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi steel purlins spaced max. 60-inch o.c. | One or more layers, any combination, preliminarily fastened | Dekfast DF-#12-PC-SQ3 with Carlisle isoweld PVC Plate or SFS isoweld F1-P-6.8-PVC Plate are fastened through to purlins | Max. 6-inch o.c. along purlins | VersiFlex PVC or VersiFlex KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions | -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 (Note 1) | Insulation | | Roof Cover (Note 15A) | | | MDP (psf) |
|------------|---|-------------------------------------|----------------|-------------------------------------|---|--|--------------|
| | | Type | Attach | Membrane | Fastener (Note 11) | Attachment | |
| R-48. | Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 75.5-inch o.c. | One or more layers, any combination | prelim. attach | VersiFlex PVC | Versico Purlin Fastener and HPV-X Plate | 18-inch o.c. within 5.5-inch wide laps spaced max. 75.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld. | -30.0 |
| R-49. | Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 75.5-inch o.c. | One or more layers, any combination | prelim. attach | VersiFlex PVC | Versico Purlin Fastener and HPV-X Plate | 12-inch o.c. within 5.5-inch wide laps spaced max. 75.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld. | -45.0 |
| R-50. | Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 54.5-inch o.c. | One or more layers, any combination | prelim. attach | VersiFlex PVC or VersiFlex KEE HP | Versico Purlin Fastener and 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. | -45.0 |
| R-51. | Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 75.5-inch o.c. | One or more layers, any combination | prelim. attach | VersiFlex PVC or VersiFlex KEE HP | Versico Purlin Fastener and HPV-X Plate | 6-inch o.c. within 5.5-inch wide laps spaced max. 75.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld. | -52.5 |
| R-52. | Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 35.5-inch o.c. | One or more layers, any combination | prelim. attach | VersiFlex PVC | Versico Purlin Fastener and HPV-X Plate | 12-inch o.c. within 5-inch wide laps spaced max. 35.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld. | -52.5 |
| R-53. | Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 35-inch o.c. | One or more layers, any combination | prelim. attach | VersiFlex PVC | Versico Purlin Fastener and HPV-X Plate | 12-inch o.c. within 5.5-inch wide laps spaced max. 35-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld. | -60.0 |
| R-54. | Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 54.5-inch o.c. | One or more layers, any combination | prelim. attach | VersiFlex PVC or VersiFlex KEE HP | Versico Purlin Fastener and 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. | -67.5 |
| R-55. | Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 54.5-inch o.c. | One or more layers, any combination | prelim. attach | Min. 60-mil VersiFlex PVC or KEE HP | Versico Purlin Fastener and 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. | -75.0 |
| R-56. | Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 35.5-inch o.c. | One or more layers, any combination | prelim. attach | VersiFlex PVC or VersiFlex KEE HP | Versico Purlin Fastener and HPV-X Plate | 6-inch o.c. within 5.5-inch wide laps spaced max. 35-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld. | -82.5 |

TABLE 7E: RECOVER APPLICATIONS
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER

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

| System No. | Substrate (Note 1 , Note 12) | Roof Cover (Note 15) | | MDP (psf) ^A |
|--|---|--|--|------------------------|
| | | Type | Attach | |
| VERSI FLEECE APPLICATIONS (PARTIAL BOND): | | | | |
| R-57. | Existing, fully-adhered EPDM | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (RIBBON, 12) | -30.0 |
| R-58. | Existing, fully-adhered EPDM | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (RIBBON, 6) | -75.0 |
| R-59. | 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 PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (RIBBON, 6-inch o.c.) | -177.0 |
| VERSI FLEECE APPLICATIONS (FULL BOND): | | | | |
| R-60. | 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 PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH (FULL) | -177.0 |
| R-61. | Existing fully adhered TPO single ply | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH DT (FULL) | -270.0 |
| R-62. | Existing, fully-adhered EPDM | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL) | -315.0 |
| R-63. | 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 PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH DT (FULL) | -635.0 |
| R-64. | Existing spray-applied polyurethane foam (SPUF) roof with existing acrylic roof coating | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL, splatter-applied) | -1057.5 |
| R-65. | Existing spray-applied polyurethane foam (SPUF) roof; scarify surface in accordance with report holder's requirements. | VersiFleece PVC, VersiFleece FRS PVC or VersiFleece KEE HP | Flexible DASH or Flexible DASH DT (FULL, splatter-applied) | -1247.5 |

TABLE 8A: HILTI PART / SUPPORT THICKNESS LIMITATIONS¹

| HILTI PART | STEEL SUPPORTING MEMBER THICKNESS (INCH) |
|--|--|
| X-ENP-19 L15, X-ENP-19 L15MX or X-ENP-19 L15M XR | $t \geq 0.25$ |
| 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 LIMITATIONS¹

| HILTI PART | MAX. SPACING (INCH O.C.) | MAX. ALLOWABLE DESIGN PRESSURE (PSF) | MAX. SPAN (INCH) | | | | | |
|---|-----------------------------|---|-------------------|-------------|-------------------|-------------|-------------------|-------------|
| | | | 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 X-ENP-19 L15MX X-ENP-19 L15M XR X-EDN19 THQ12 X-EDN19 THQ12M X-EDNK22 THQ12 X-EDNK22 THQ12M X-HSN 24 or 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 |
| | 6F | -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.

¹ 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.