

APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE

| TABLE | DECK | APPLICATION | TYPE | DESCRIPTION | PAGE |
|-----------------------|---|---------------------------------|------|---|------|
| 1A | Wood | New, Reroof (Tear-Off) | A-1 | Bonded Insulation, Bonded Roof Cover | 6 |
| 1B | Wood | New, Reroof (Tear-Off), Recover | B-1 | Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover | 9 |
| 1C | Wood | New, Reroof (Tear-Off), Recover | B-1 | Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Base Ply, Bonded Roof Cover | 12 |
| 1D | Wood | New, Reroof (Tear-Off), Recover | C-1 | Mechanically Attached Insulation, Bonded Roof Cover | 12 |
| 1E | Wood | New, Reroof (Tear-Off), Recover | C-2 | Induction Welded Roof Cover | 16 |
| 1F | Wood | New, Reroof (Tear-Off), Recover | D-1 | Insulated, Mechanically Attached Roof Cover | 17 |
| 1G | Wood | New, Reroof (Tear-Off), Recover | G | Optional Insulation, Loose-Laid Roof Cover, Pressure Equalizing Vent | 18 |
| 2A | Steel | New or Reroof (Tear-Off) | A-1 | Bonded Insulation, Bonded Roof Cover | 16 |
| 2B | Steel or Structural Concrete | New, Reroof (Tear-Off), Recover | B-1 | Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover | 21 |
| 2C | Steel or Structural Concrete | New, Reroof (Tear-Off), Recover | B-1 | Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Base Ply, Bonded Roof Cover | 31 |
| 2D | Steel | New, Reroof (Tear-Off), Recover | B-2 | Mechanically Attached Thermal Barrier, Bonded Vapor Barrier, Bonded Insulation, Bonded Roof Cover | 32 |
| 2E | Steel or Structural Concrete | New, Reroof (Tear-Off), Recover | C-1 | Mechanically Attached Insulation, Bonded Roof Cover | 36 |
| 2F | Steel | New, Reroof (Tear-Off), Recover | C-2 | Induction Welded Roof Cover | 49 |
| 2G | Steel or Structural Concrete | New, Reroof (Tear-Off), Recover | D-1 | Insulated, Mechanically Attached Roof Cover | 51 |
| 3A | Structural Concrete | New, Reroof (Tear-Off) | A-1 | Bonded Insulation, Bonded Roof Cover | 55 |
| 3B | Structural Concrete | New, Reroof (Tear-Off) | A-1 | Bonded Insulation, Bonded Base Ply, Bonded Roof Cover | 65 |
| 3C | Structural Concrete | New, Reroof (Tear-Off), Recover | C-2 | Induction Welded Roof Cover | 66 |
| 3D | Structural Concrete | New, Reroof (Tear-Off) | F | Non-Insulated, Bonded Roof Cover | 67 |
| 3E | Structural Concrete | New, Reroof (Tear-Off), Recover | G | Optional Insulation, Loose-Laid Roof Cover, Pressure Equalizing Vent | 67 |
| 4A | Deck with Lightweight concrete | New, Reroof (Tear-Off) | A-1 | Bonded Insulation, Bonded Roof Cover | 68 |
| 4B | Deck with Lightweight concrete | New, Reroof (Tear-Off) | F | LWC to Deck, Bonded Roof Cover | 73 |
| 4C | Deck with Lightweight concrete | New, Reroof (Tear-Off) | F | LWC to Deck, Bonded Roof Cover | 77 |
| 5A | Cementitious wood fiber | New, Reroof (Tear-Off) | A-1 | Bonded Insulation, Bonded Roof Cover | 78 |
| 5B | Cementitious wood fiber | New, Reroof (Tear-Off), Recover | A-2 | Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover | 80 |
| 5C | Cementitious wood fiber | New, Recover | F | Non-Insulated, Bonded Roof Cover | 81 |
| 6A | Existing gypsum | Reroof (Tear-Off) | A-1 | Bonded Insulation, Bonded Roof Cover | 82 |
| 6B | Existing gypsum | Reroof (Tear-Off) | F | None-Insulated, Bonded Roof Cover | 85 |
| 7A | Various | Recover | A-1 | Bonded Insulation, Bonded Roof Cover | 86 |
| 7B | Various | Recover | A-1 | Bonded Insulation, Bonded Base Ply, Bonded Roof Cover | 96 |
| 7C | Steel | Recover | C-2 | Induction Welded Roof Cover | 93 |
| 7D | Steel | Recover | D-1 | Insulated, Mechanically Attached Roof Cover | 94 |
| 7E | Various | Recover | F | Non-Insulated, Bonded Roof Cover | 95 |
| 8A/8B | Guidance / Limitations for use of Hilti fasteners in Type B steel deck securement beneath Carlisle roof systems | | | | 96 |

The following notes apply to the systems outlined herein:

- 1 The roof system evaluation herein pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction.
 - As-tested roof cover performance in accordance with FM 4474 and TAS 114, Appendix J indicates min. 22 ga., Type B, Grade 40 steel deck at max. 6 ft spans attached with 5/8-inch diameter puddle welds spaced 6" o.c., with deck side laps secured max. 24" o.c. w/ 3/4"-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 | Carlisle SynTec | HP Fastener with Insulation Fastening Plate | Minimum 3/4-inch plywood penetration or minimum 1-inch wood plank embedment |
| Steel | Carlisle SynTec | HP Fastener with Insulation Fastening Plate | Minimum 3/4-inch steel penetration and engage the top flute of the steel deck |
| Structural Concrete | Carlisle SynTec | HD 14-10 Fastener, CD-10 or HP Concrete Spike (1/4) with Insulation Fastening Plate | Minimum 1-inch embedment. Fastener installed with a pilot hole in accordance with the fastener manufacturer's published installation instructions |

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

| INSULATION ADHESIVE REFERENCES | | | |
|--------------------------------|------------------|-----------------------------|--|
| ADHESIVE | METHOD | REFERENCE | MINIMUM RATE |
| Flexible FAST | full-coverage | Flexible FAST (FULL) | Continuous ribbons, 4-inch o.c. or spray-applied at 1 gal./square |
| Flexible FAST | splatter-applied | Flexible FAST (SPLATTER) | Splatter-applied at 0.5 gal/square (wet) = 4.7 lb/square (dry) |
| Flexible FAST | ribbon-applied | Flexible FAST (RIBBON) | Continuous ribbons, 12-inch o.c. |
| Flexible FAST Dual-Tank | full-coverage | Flexible FAST DT (FULL) | Continuous ribbons, 4-inch o.c. or spray-applied at 1 gal./square |
| Flexible FAST Dual-Tank | splatter-applied | Flexible FAST DT (SPLATTER) | Splatter-applied at 0.4 gal/square (wet) = 3.7 lb/square (dry) |
| Flexible FAST Dual-Tank | ribbon-applied | Flexible FAST DT (RIBBON) | Continuous ribbons, 12-inch o.c. |
| Carlisle 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 FAST | Any polyisocyanurate listed with adhesive herein | Various | 0.5 | -157.5 |
| OB500 | Any polyisocyanurate listed with adhesive herein | Various | 0.5 | -187.5 |

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

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

| MEMBRANE / ADHESIVE COMBINATIONS | | | |
|--|---|--|--|
| MEMBRANE | ADHESIVE | APPLICATION | RATE |
| Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Carlisle Low VOC PVC Bonding Adhesive | Contact (both sides) | 0.83 gal/square per surface [(1.66 gal/square (60 ft ² /gal) finish] |
| Sure-Flex PVC or Sure-Flex PVC FRS | Carlisle 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] |
| Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond Water-Based PVC BA (HydroBond WB) | Wet lay (substrate) | 0.75 to 1 gal/square (100 to 133 ft ² /gal) |
| Sure-Flex PVC or Sure-Flex PVC FRS | 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 Sure-Flex PVC and Sure-Flex PVCs FRS to DensDeck Prime, EcoStorm VSH, Insulbase, SecurShield, SecurShield HD, SecurShield HD Plus, SecurShield HD Composite, SECUROCK Gypsum-Fiber Roof Board or StormBase. CAV-GRIP PVC Adhesive is not for use with Detec Systems "TruGround Conductive Primer".</i> | |
| Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Carlisle Aqua Base 120 Bonding Adhesive | Wet lay (substrate) | 0.83 gal/square (120 ft ² /gal) |
| Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | HydroBond Water-Based Adhesive (HydroBond WB) | Wet lay (substrate) | 0.75 to 1 gal/square (100 to 133 ft ² /gal) |
| Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | FAST, FAST Dual-Tank (DT) | Wet lay (substrate) | RIBBON spaced as noted herein or FULL = 1 gal/square or continuous ribbons, maximum 4-inch o.c. |
| Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST | 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) |
| Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST 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) |
| Sure-Flex FleeceBACK RL | VELCRO® Brand Securable Solutions | Only for use over InsulBase RL or SecurShield HD RL substrates. Roof cover is broomed into place and rolled with 150 lb roller to establish contact. | |

- 15A For single-ply membranes in System Type D-1 steel deck applications, the roof membrane shall be run with its length perpendicular to the steel deck flutes.
- 15B For System Type C-2 (induction weld), care shall be taken to ensure that the plates do not line-up with membrane seams. This condition may preclude proper induction welding of the membrane to the plates.
- 15C For System Types A-1, A-2, B-1, B-2 or C-1 involving Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP adhered in Carlisle Low VOC PVC Bonding Adhesive over InsulBase, 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 III LVOC-AP | VapAir Seal 725TR | Self-adhering | Flexible FAST (RIBBON) | -157.5 |
| C-VB-2. | 702 Primer, 702 LV Primer, CAV-GRIP Primer or CAV-GRIP III LVOC-AP | VapAir Seal 725TR | Self-adhering | Flexible FAST DT (RIBBON) | -172.5 |
| C-VB-3. | 702 Primer, 702 LV Primer, CAV-GRIP Primer or CAV-GRIP III LVOC-AP | VapAir Seal 725TR | Self-adhering | Flexible FAST (RIBBON, 6-inch o.c. or SPLATTER) or Flexible FAST DT (RIBBON, 6-inch o.c. or SPLATTER) | -270.0 |
| C-VB-4. | CAV-GRIP Primer or CAV-GRIP III LVOC-AP | VapAir Seal 725TR | Self-adhering | Flexible FAST (FULL COVERAGE, 1 gal/square), Flexible FAST (SPLATTER) or Flexible FAST DT (SPLATTER) | -427.5 |
| C-VB-5. | ASTM D41 | SureMB 90 Base, SureMB 90 Poly Base or SureMB 120 Poly Base | Hot-asphalt | Hot asphalt at 25 lbs/square | -172.5 |
| C-VB-6. | ASTM D41 | SureMB 90TG or 120TG Base | Torch-applied | Hot asphalt at 25 lbs/square | -180.0 |
| C-VB-7. | None | SureMB 90 Base, SureMB 90 Poly Base or SureMB 120 Poly Base | Carlisle Cold Applied Adhesive, 1-inch ribbons, 12-inch o.c. | Flexible FAST (RIBBON) or Flexible FAST DT (RIBBON) | -180.0 |
| C-VB-8. | None | SureMB 90 Base, SureMB 90 Poly Base or SureMB 120 Poly Base | Carlisle Cold Applied Adhesive, 1-inch ribbons, 6-inch o.c. | Flexible FAST (RIBBON, 6-inch o.c. or SPLATTER) or Flexible FAST DT (RIBBON, 6-inch o.c. or SPLATTER) | -255.0 |
| C-VB-9. | ASTM D41 | SureMB 90TG or 120TG Base | Torch-applied | Flexible FAST (RIBBON) or Flexible FAST DT (RIBBON) | -307.5 |
| C-VB-10. | ASTM D41 | SureMB 90TG or 120TG Base | Torch-applied | Flexible FAST (RIBBON, 6-inch o.c. or SPLATTER) or Flexible FAST DT (RIBBON, 6-inch o.c. or SPLATTER) | -495.0 |

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

| TECTUM PLANK DECK: VAPOR BARRIER FOLLOWED BY ADHESIVE-APPLIED INSULATION | | | | | |
|--|---|--|---------------|---|-----------|
| OPTION # | PRIMER | VAPOR BARRIER | | INSULATION ADHESIVE PER TABLE 5A (NOTES 6,7&8) | MDP (psf) |
| | | TYPE | APPLICATION | | |
| CWF-VB-1. | CAV-GRIP III Adhesive/Primer at 0.33 gal/square | SureMB 70 SA Base Ply or VapAir Seal 725TR | Self-adhering | Flexible FAST (FULL or SPLATTER) or Flexible FAST Dual-Tank (FULL or SPLATER) | -350.0 |

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

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

| ACCEPTABLE ALTERNATES | | | | |
|-----------------------|-----------------------------|--------------------------|---|----------|
| SUB-CATEGORY | BY | LISTED PRODUCT HEREIN | ALTERNATE | FBC FILE |
| ADHESIVES | Carlisle SynTec | OB500 | OMG OlyBond 500 Adhesive Fastener | FL1608 |
| ROOFING INSULATION | Carlisle SynTec | InsulBase | InsulBase 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 | |
| | | StormBase | H-Shield NB | |
| | Georgia-Pacific Gypsum, LLC | DensDeck Prime | DensDeck StormX Prime Roof Board | FL1250 |

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

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

| System No. | Deck (Note 1) | Vapor Barrier | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|--|--|---------------|---|--|---|--|--------------------------------------|-----------------------|---------------------------|
| | | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| BAREBACK MEMBRANE APPLICATIONS: | | | | | | | | | |
| W-1. | 7/16-inch APA rated OSB; 2 ft span | None | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layer(s) base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | CAV-GRIP PVC Adhesive | -45.0* |
| W-2. | 7/16-inch APA rated OSB; 2 ft span | None | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST 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 EcoStorm VSH, min. 1.5-inch SecurShield HD Composite or min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | CAV-GRIP PVC Adhesive | -45.0* |
| W-3. | Min. 15/32-inch APR rated CDX plywood; 2 ft span | None | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layer(s) base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | CAV-GRIP PVC Adhesive | -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-4. | Min. 15/32-inch APR rated CDX plywood; 2 ft span | None | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST 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 EcoStorm VSH, min. 1.5-inch SecurShield HD Composite or min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | CAV-GRIP PVC Adhesive | -67.5 |
| W-5. | 7/16-inch APA rated OSB; 2 ft span | None | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layer(s) base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | HydoBond WB | -45.0* |
| W-6. | 7/16-inch APA rated OSB; 2 ft span | None | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST 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 EcoStorm VSH, min. 1.5-inch SecurShield HD Composite or min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | HydoBond WB | -45.0* |
| W-7. | Min. 15/32-inch APR rated CDX plywood; 2 ft span | None | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layer(s) base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | HydoBond WB | -67.5 |
| W-8. | Min. 15/32-inch APR rated CDX plywood; 2 ft span | None | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST 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 EcoStorm VSH, min. 1.5-inch SecurShield HD Composite or min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | HydoBond WB | -67.5 |
| W-9. | 7/16-inch APA rated OSB; 2 ft span | None | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layer(s) base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -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-10. | 7/16-inch APA rated OSB; 2 ft span | None | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST 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 EcoStorm VSH, min. 1.5-inch SecurShield HD Composite or min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex 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 InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layer(s) base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex 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 InsulBase, SecurShield | Flexible FAST or Flexible FAST 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 EcoStorm VSH, min. 1.5-inch SecurShield HD Composite or min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -67.5 | |
| FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND): | | | | | | | | | | |
| W-13. | 7/16-inch APA rated OSB; 2 ft span | None | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layer(s) base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -45.0* | |
| W-14. | 7/16-inch APA rated OSB; 2 ft span | None | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST 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 EcoStorm VSH, min. 1.5-inch SecurShield HD Composite or min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -45.0* | |

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

| System No. | Deck (Note 1) | Vapor Barrier | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|------------|--|---------------|---|--|---|--|--|--|------------------------------|
| | | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| W-15. | Min. 15/32-inch APR rated CDX plywood; 2 ft span | None | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layer(s) base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST 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 InsulBase, SecurShield | Flexible FAST or Flexible FAST 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 EcoStorm VSH, min. 1.5-inch SecurShield HD Composite or min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -67.5 |

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

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

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf) |
|---|---|---|--|---------------------------|--|--|---|------------------------------|
| | | Type | Fastener (Note 2, Note 11) | Attach | Type | Attach (Notes 6,7,8) | | |
| W-20. | Min. 19/32-inch CDX plywood or wood plank; 2-ft spans | Min. 2-inch InsulBase, H-Shield, SecurShield or H-Shield CG | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.0 ft ² | <u>Insulation</u> : (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH, min. 1.5-inch SecurShield HD Composite or min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS in CAV-GRIP PVC Adhesive, HydroBond WB or Low VOC PVC BA or Sure-Flex KEE HP in Low VOC PVC BA | -60.0 |
| FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND): | | | | | | | | |
| W-21. | Min. 19/32-inch CDX plywood or wood plank; 2-ft spans | Min. 2-inch InsulBase, H-Shield, SecurShield or H-Shield CG | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.7 ft ² | Additional layer(s), min. 1.5-inch base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST 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 InsulBase, H-Shield, SecurShield or H-Shield CG | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.7 ft ² | <u>Insulation</u> : (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or min. 1.5-inch SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST 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 InsulBase, H-Shield, SecurShield or H-Shield CG | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.0 ft ² | <u>Insulation</u> : (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard</u> : Min. 0.5-inch SecurShield HD or SecurShield HD Plus | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | -60.0 |
| FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND): | | | | | | | | |
| W-24. | Min. 19/32-inch CDX plywood or wood plank; 2-ft spans | Min. 2-inch InsulBase, H-Shield, SecurShield or H-Shield CG | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.7 ft ² | Additional layer(s), min. 1.5-inch base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -37.5 |
| W-25. | Min. 19/32-inch CDX plywood or wood plank; 2-ft spans | Min. 2-inch InsulBase, H-Shield, SecurShield or H-Shield CG | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.7 ft ² | <u>Insulation</u> : (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH, min. 1.5-inch SecurShield HD Composite or min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST 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 | Type | Attach (Notes 6,7,8) | | |
| W-26. | Min. 19/32-inch CDX plywood or wood plank; 2-ft spans | Min. 2-inch InsulBase, H-Shield, SecurShield or H-Shield CG | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.0 ft ² | Additional layer(s), min. 1.5-inch base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -60.0 |
| W-27. | Min. 19/32-inch CDX plywood or wood plank; 2-ft spans | Min. 2-inch InsulBase, H-Shield, SecurShield or H-Shield CG | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.0 ft ² | <u>Insulation</u> : (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH, min. 1.5-inch SecurShield HD Composite or min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -60.0 |
| SUREFLEX FLEECEBACK RL™ APPLICATIONS: | | | | | | | | |
| W-28. | Min. 19/32-inch CDX plywood or wood plank; 2-ft spans | Min. 2-inch InsulBase, H-Shield, SecurShield or H-Shield CG | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.7 ft ² | <u>Insulation</u> : (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard</u> : Min. 0.5-inch SecurShield HD RL or min. 1.5-inch InsulBase RL | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex FleeceBACK RL | -37.5 |
| W-29. | Min. 19/32-inch CDX plywood or wood plank; 2-ft spans | Min. 2-inch InsulBase, H-Shield, SecurShield or H-Shield CG | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.0 ft ² | <u>Insulation</u> : (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard</u> : Min. 0.5-inch SecurShield HD RL or min. 1.5-inch InsulBase RL | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex FleeceBACK RL | -60.0 |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|---|---|---|--|---------------------------|---|--|--------------------------------------|---|------------------------------|
| | | Type | Fastener (Note 2, Note 11) | Attach | Type | Attach (Notes 6,7,8) | Base Ply | Cap Ply | |
| FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND): | | | | | | | | | |
| W-30. | Min. 19/32-inch CDX plywood or wood plank; 2-ft spans | Min. 2-inch InsulBase, H-Shield, SecurShield or H-Shield CG | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.7 ft ² | <u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Flexible FAST or Flexible FAST DT (RIBBON) | SureMB 90TG or 120TG / torch-applied | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST 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 InsulBase, H-Shield, SecurShield or H-Shield CG | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Flexible FAST or Flexible FAST DT (RIBBON) | SureMB 90TG or 120TG / torch-applied | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST 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 | | |
| 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 | Carlisle InsulFast with SecurFast Insulation Fastening Plate | 1 per 2.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / 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 InsulBase, H-Shield, SecurShield, H-Shield CG, SecurShield HD Composite or H-Shield HD Composite | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.7 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / 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 | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / 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 | Carlisle InsulFast with Insulation Fastening Plate | 1 per 4.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / 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 EcoStorm VSH | Carlisle InsulFast with Insulation Fastening Plate | 1 per 4.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / 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 | | |
| 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 EcoStorm VSH | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.7 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -45.0 |
| W-38. | Min. 23/32-inch plywood | (Optional) One or more layers | Min. 1.5-inch InsulBase, SecurShield | Note 2 | 1 per 2.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -45.0* |
| W-39. | Min. 23/32-inch plywood | Min. 1.0-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or AC Foam II | Min. 0.25-inch DensDeck Prime | Note 2 | 1 per 2.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -45.0* |
| W-40. | Min. 23/32-inch plywood | (Optional) One or more layers | Min. 1-inch InsulBase, SecurShield | Note 2 | 1 per 1.6 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / 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 InsulBase, H-Shield, SecurShield, H-Shield CG, SecurShield HD Composite or H-Shield HD Composite | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / 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 EcoStorm VSH | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / 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 EcoStorm VSH | Carlisle InsulFast with Insulation Fastening Plate | 1 per 1.8 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / 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 | Carlisle InsulFast with SecurFast Insulation Fastening Plate | 1 per 2.0 ft ² | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex 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 InsulBase, H-Shield, SecurShield, H-Shield CG, SecurShield HD Composite or H-Shield HD Composite | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.7 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex 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 | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.0 ft ² | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP in Low VOC PVC BA | -37.5 |
| W-47. | Min. 23/32-inch plywood | Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or AC Foam II | Min. 0.5-inch HP Recovery Board | Note 2 | 1 per 1.6 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / 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 | | |
| 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 | Carlisle InsulFast with Insulation Fastening Plate | 1 per 4.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex 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 EcoStorm VSH | Carlisle InsulFast with Insulation Fastening Plate | 1 per 4.0 ft ² | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex 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 | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.7 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex 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 EcoStorm VSH | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.7 ft ² | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex 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 InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or AC Foam II | Note 2 | 1 per 2.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -45.0* |
| W-53. | Min. 23/32-inch plywood | Min. 1.0-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or AC Foam II | Min. 0.5-inch HP Recovery Board | Note 2 | 1 per 2.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / Low VOC PVC BA | -45.0* |
| W-54. | Min. 23/32-inch plywood | Min. 1.0-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or AC Foam II | Min. 0.25-inch DensDeck Prime | Note 2 | 1 per 2.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -45.0* |
| W-55. | Min. 23/32-inch plywood | Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or AC Foam II | Min. 0.25-inch DensDeck Prime | Note 2 | 1 per 1.6 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / Aquabase 120 Water Based BA | -45.0* |
| W-56. | Min. 23/32-inch plywood | (Optional) One or more layers | Min. 1-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or AC Foam II | Note 2 | 1 per 1.6 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -45.0* |
| W-57. | Min. 19/32-inch CDX plywood or wood plank; 2-ft spans | (Optional) One or more layers, any combination, loose laid | Min. 2-inch InsulBase, H-Shield, SecurShield, H-Shield CG, SecurShield HD Composite or H-Shield HD Composite | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -60.0 |
| W-58. | Min. 19/32-inch CDX plywood or wood plank; 2-ft span | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex 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 | | |
| W-59. | Min. 19/32-inch CDX plywood or wood plank; 2-ft span | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or EcoStorm VSH | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.0 ft ² | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex 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 DensDeck Prime | Carlisle InsulFast with Insulation Fastening Plate | 1 per 1.8 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -67.5 |
| 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 SECUROCK Gypsum-Fiber Roof Board or EcoStorm VSH | Carlisle InsulFast with Insulation Fastening Plate | 1 per 1.8 ft ² | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP in Low VOC PVC BA | -67.5 |
| FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND): | | | | | | | |
| 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 SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Carlisle InsulFast with SecurFast Insulation Fastening Plate | 1 per 2.0 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -30.0 |
| W-63. | Min. 19/32-inch CDX plywood or wood plank; 2-ft spans | (Optional) One or more layers, any combination, loose laid | Min. 2-inch InsulBase, H-Shield, SecurShield, H-Shield CG, SecurShield HD Composite or H-Shield HD Composite | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.7 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -37.5 |
| W-64. | 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 EcoStorm VSH | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.0 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -37.5 |
| W-65. | Min. 23/32-inch plywood | (Optional) One or more layers | Min. 1.5-inch InsulBase, SecurShield | Note 2 | 1 per 2.0 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST (FULL), Flexible FAST DT (FULL) or HydroBond WB | -45.0* |
| W-66. | Min. 23/32-inch plywood | (Optional) One or more layers | Min. 1-inch InsulBase, SecurShield | Note 2 | 1 per 1.6 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST (FULL), Flexible FAST DT (FULL) or HydroBond WB | -45.0* |
| W-67. | Min. 23/32-inch plywood | Min. 1.0-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACfoam II | Min. 0.25-inch DensDeck Prime | Note 2 | 1 per 2.0 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST (FULL), Flexible FAST 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 | | |
| W-68. | Min. 19/32-inch CDX plywood or wood plank; 2-ft span | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Carlisle InsulFast with Insulation Fastening Plate | 1 per 4.0 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -45.0* |
| W-69. | 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 | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -45.0* |
| W-70. | Min. 19/32-inch CDX plywood or wood plank; 2-ft span | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.7 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -45.0 |
| W-71. | Min. 19/32-inch CDX plywood or wood plank; 2-ft spans | (Optional) One or more layers, any combination, loose laid | Min. 2-inch InsulBase, H-Shield, SecurShield, H-Shield CG, SecurShield HD Composite or H-Shield HD Composite | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.0 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -60.0 |
| W-72. | 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 | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.0 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -60.0 |
| W-73. | 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 | Carlisle InsulFast with Insulation Fastening Plate | 1 per 1.8 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -67.5 |
| W-74. | 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 | Carlisle InsulFast with Insulation Fastening Plate | 1 per 2.0 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST 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-75. | Min. 15/32-inch plywood; 2-ft span | (Optional) One or more layers, any thickness or combination | HP-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) | Sure-Flex PVC or Sure-Flex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -22.5* |
| W-76. | Min. 15/32-inch plywood; 2-ft span | (Optional) One or more layers, any thickness or combination | HP-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) | Sure-Flex PVC or Sure-Flex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -30.0 |
| W-77. | Min. 15/32-inch plywood; 2-ft span | (Optional) One or more layers, any thickness or combination | HP-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) | Sure-Flex PVC or Sure-Flex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -37.5* |
| W-78. | Min. 19/32-inch plywood; 2-ft span | (Optional) One or more layers, any thickness or combination | HP-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) | Sure-Flex PVC or Sure-Flex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -45.0* |
| W-79. | Min. 19/32-inch plywood; 2-ft span | (Optional) One or more layers, any thickness or combination | HP-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) | Sure-Flex PVC or Sure-Flex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -45.0* |
| W-80. | Min. 15/32-inch plywood; 2-ft span | (Optional) One or more layers, any thickness or combination | HP-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) | Sure-Flex PVC or Sure-Flex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -45.0 |
| W-81. | Min. 15/32-inch plywood; 2-ft span | (Optional) One or more layers, any thickness or combination | HP-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. | Sure-Flex PVC or Sure-Flex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -60.0 |
| W-82. | Min. 19/32-inch plywood; 2-ft span | (Optional) One or more layers, any thickness or combination | HP-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) | Sure-Flex PVC or Sure-Flex 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-83. | Min. 19/32-inch CDX plywood or wood plank; 2 ft span | One or more layers, any combination | prelim attach | Sure-Flex PVC, Sure-Flex PVC FleeceBACK, Sure-Flex KEE HP or Sure-Flex KEE HP FleeceBACK | HP-X Fastener with Piranha Plate | 12 | 5.5 | 114.5 | 1.5 | -30.0 |
| W-84. | Min. 19/32-inch CDX plywood or wood plank; 2 ft span | One or more layers, any combination | prelim attach | Sure-Flex PVC, Sure-Flex PVC FleeceBACK, Sure-Flex KEE HP or Sure-Flex KEE HP FleeceBACK | HP-X Fastener with Piranha Plate | 6 | 5.5 | 114.5 | 1.5 | -45.0 |
| W-85. | Min. 23/32-inch CDX plywood or wood plank; 2-ft span | One or more layers, any combination | prelim. attach | Sure-Flex PVC, Sure-Flex PVC FleeceBACK, Sure-Flex KEE HP or Sure-Flex KEE HP FleeceBACK | HP-X Fastener with Piranha Plate | 6 | 5.5 | 75.5 | 1.5 | -52.5 |
| W-86. | Min. 19/32-inch CDX plywood or wood plank; 2-ft span | One or more layers, any combination | prelim. attach | Sure-Flex PVC, Sure-Flex PVC FleeceBACK, Sure-Flex KEE HP or Sure-Flex KEE HP FleeceBACK | HP-X Fastener with Piranha 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-87. | Min. 15/32-inch, Type B-C plywood | All joints and penetrations sealed with VapAir Seal 725TR in accordance with Carlisle 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 | Sure-Flex PVC or Sure-Flex KEE HP | VacuSeal Vent installed in accordance with Carlisle 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 InsulBase, SecurShield and/or SecurShield HD Composite | Flexible FAST or Flexible FAST 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 EcoStorm VSH or min. 2-inch SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | CAV-GRIP PVC Adhesive | -82.5 | |
| SC-2. | Min. 22 ga., type B, Grade 33 steel | None | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c. @ every deck flange) | None | N/A | Sure-Flex PVC or Sure-Flex PVC FRS | CAV-GRIP PVC Adhesive | -105.0 | |
| SC-3. | Min. 22 ga., type B, Grade 33 steel | (Optional) VapAir Seal MD, self-adhering | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c. @ every deck flange) | (Optional) Additional layer(s) base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -67.5 | |
| SC-4. | Min. 22 ga., type B, Grade 33 steel | (Optional) VapAir Seal MD, self-adhering | Min. 2-inch SecurShield and/or SecurShield HD Composite | Flexible FAST or Flexible FAST 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 EcoStorm VSH or min. 2-inch SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -82.5 | |
| SC-5. | Min. 22 ga., type B, Grade 33 steel | (Optional) VapAir Seal MD, self-adhering | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST 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 EcoStorm VSH or min. 2-inch SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -82.5 | |
| SC-6. | Min. 22 ga., type B, Grade 33 steel | (Optional) VapAir Seal MD, self-adhering | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c. @ every deck flange) | Min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -82.5 | |

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

| System No. | Deck (Note 1) | Vapor Barrier | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | MDP (psf) |
|--|-------------------------------------|--|--|---|--|--|--|--|---------------------------|
| | | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| SC-7. | Min. 22 ga., type B, Grade 33 steel | (Optional) VapAir Seal MD, self-adhering | Min. 1.5-inch InsulBase, SecurShield and/or SecurShield HD Composite | Flexible FAST or Flexible FAST 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 EcoStorm VSH or min. 2-inch SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -82.5 |
| SC-8. | Min. 22 ga., type B, Grade 33 steel | (Optional) VapAir Seal MD, self-adhering | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c. @ every deck flange) | Min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -82.5 |
| SC-9. | Min. 22 ga., type B, Grade 33 steel | None | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c. @ every deck flange) | None | N/A | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -105.0 |
| FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND): | | | | | | | | | |
| SC-10. | Min. 22 ga., type B, Grade 33 steel | (Optional) VapAir Seal MD, self-adhering | Min. 1.5-inch InsulBase, SecurShield and/or SecurShield HD Composite | Flexible FAST or Flexible FAST 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 EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST 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 InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c. @ every deck flange) | Min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -82.5 |
| SC-12. | Min. 22 ga., type B, Grade 33 steel | None | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c. @ every deck flange) | None | N/A | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -105.0 |
| SURE-FLEX FLEECEBACK RL APPLICATIONS: | | | | | | | | | |
| SC-13. | Min. 22 ga., type B, Grade 33 steel | (Optional) VapAir Seal MD, self-adhering | Min. 1.5-inch InsulBase RL | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c. @ every deck flange) | None | N/A | Sure-Flex FleeceBACK RL | | -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-14. | Min. 22 ga., type B, Grade 33 steel | (Optional) VapAir Seal MD, self-adhering | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST 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 InsulBase RL | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex FleeceBACK RL | | -82.5 |
| SC-15. | Min. 22 ga., type B, Grade 33 steel | None | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c. @ every deck flange) | Min. 0.5-inch SecurShield HD RL | Flexible FAST or Flexible FAST DT (FULL) | Sure-Flex FleeceBACK RL | | -105.0 |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf) |
|-------------------------------|---|---|--|---------------|---|--|--|---------------------------|
| | | Type | Fastener (Note 2, Note 11) | Attach | Type | Attach (Notes 6,7,8) | | |
| BAREBACK APPLICATIONS: | | | | | | | | |
| SC-16. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Note 2 | 1 per 3.2 ft² | Min. 1.0-inch base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -45.0* |
| SC-17. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2.0-inch InsulBase, SecurShield | Note 2 | 1 per 4.0 ft² | Min. 1.0-inch base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -45.0* |
| SC-18. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Note 2 | 1 per 3.2 ft² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS / 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 InsulBase, SecurShield | Note 2 | 1 per 4.0 ft² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -45.0* |
| SC-20. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 0.5-inch DensDeck followed by min. 2.0-inch Insulfoam VIII | Note 2 | 1 per 2.0 ft² | Min. 2.0-inch Insulfoam HD Composite | Flexible FAST (RIBBON, 6-inch o.c.) | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -45.0* |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|--------------------------------------|---|---------------------------|---|---|--|---------------------------|
| | | Type | Fastener (Note 2, Note 11) | Attach | Type | Attach (Notes 6,7,8) | | |
| SC-21. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC (min. 60-mil) or Sure-Flex PVC FRS (min. 60-mil) / CAV-GRIP PVC Adhesive | -45.0 |
| SC-22. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC (min. 60-mil) or Sure-Flex PVC FRS (min. 60-mil) / CAV-GRIP PVC Adhesive | -52.5 |
| SC-23. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC (min. 60-mil) or Sure-Flex PVC FRS (min. 60-mil) / CAV-GRIP PVC Adhesive | -60.0 |
| SC-24. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.8 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -60.0 |
| SC-25. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC (min. 60-mil) or Sure-Flex PVC FRS (min. 60-mil) / CAV-GRIP PVC Adhesive | -67.5 |
| SC-26. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase | Note 2 | 1 per 1.6 ft ² | Min. 1.0-inch base insulation | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -67.5 |
| SC-27. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC (min. 60-mil) or Sure-Flex PVC FRS (min. 60-mil) / CAV-GRIP PVC Adhesive | -75.0 |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|---|---|---------------------------|---|---|--|---------------------------|
| | | Type | Fastener (Note 2, Note 11) | Attach | Type | Attach (Notes 6,7,8) | | |
| SC-28. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.3 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON, 4-inch o.c.) | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -82.5 |
| SC-29. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (FULL) | Sure-Flex PVC (min. 60-mil) or Sure-Flex PVC FRS (min. 60-mil) / 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 InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (FULL) | Sure-Flex PVC (min. 60-mil) or Sure-Flex PVC FRS (min. 60-mil) / CAV-GRIP PVC Adhesive | -82.5 |
| SC-31. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.3 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON, 4-inch o.c.) | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -90.0 |
| SC-32. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (FULL) | Sure-Flex PVC (min. 60-mil) or Sure-Flex PVC FRS (min. 60-mil) / CAV-GRIP PVC Adhesive | -112.5 |
| SC-33. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (FULL) | Sure-Flex PVC (min. 60-mil) or Sure-Flex PVC FRS (min. 60-mil) / CAV-GRIP PVC Adhesive | -135.0 |
| SC-34. | 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 FAST (RIBBON, 6-inch o.c.) | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -37.5* |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|---|---|---------------------------|---|---|--|---------------------------|
| | | Type | Fastener (Note 2, Note 11) | Attach | Type | Attach (Notes 6,7,8) | | |
| SC-35. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Note 2 | 1 per 3.2 ft ² | Min. 1.0-inch base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -45.0* |
| SC-36. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2.0-inch InsulBase, SecurShield | Note 2 | 1 per 4.0 ft ² | Min. 1.0-inch base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex 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. 1.5-inch InsulBase, 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 FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex 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. 2.0-inch InsulBase, 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 FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex 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. 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 FAST (RIBBON, 6-inch o.c.) | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex 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 InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP (min. 60-mil) in Low VOC PVC BA | -45.0 |
| SC-41. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP (min. 60-mil) in Low VOC PVC BA | -52.5 |
| SC-42. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP (min. 60-mil) in Low VOC PVC BA | -60.0 |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|---|---|---------------------------|---|---|--|---------------------------|
| | | Type | Fastener (Note 2, Note 11) | Attach | Type | Attach (Notes 6,7,8) | | |
| SC-43. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.8 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP in Low VOC PVC BA | -60.0 |
| SC-44. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP (min. 60-mil) in Low VOC PVC BA | -67.5 |
| SC-45. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Note 2 | 1 per 1.6 ft ² | Min. 1.0-inch base insulation | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -67.5 |
| SC-46. | 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) | FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -67.5 |
| SC-47. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP (min. 60-mil) in Low VOC PVC BA | -75.0 |
| SC-48. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.3 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON, 4-inch o.c.) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP in Low VOC PVC BA | -82.5 |
| SC-49. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (FULL) | Sure-Flex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP (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 | Type | Attach (Notes 6,7,8) | | |
| SC-50. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (FULL) | Sure-Flex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP (min. 60-mil) in Low VOC PVC BA | -82.5 |
| SC-51. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.3 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON, 4-inch o.c.) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP in Low VOC PVC BA | -90.0 |
| SC-52. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (FULL) | Sure-Flex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP (min. 60-mil) in Low VOC PVC BA | -112.5 |
| SC-53. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (FULL) | Sure-Flex PVC (min. 60-mil) or FRS PVC (min. 60-mil) in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP (min. 60-mil) in Low VOC PVC BA | -135.0 |
| SC-54. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-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 HP Recovery Board | OB500 | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP / Low VOC PVC BA | -45.0* |
| SC-55. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-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 | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -45.0* |
| FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND): | | | | | | | | |
| SC-56. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-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, DensDeck Prime | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.) | -37.5* |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf) |
|--|---|---|--|---------------------------|---|--|---|---------------------------|
| | | Type | Fastener (Note 2, Note 11) | Attach | Type | Attach (Notes 6,7,8) | | |
| SC-57. | 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 FAST (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.) | -37.5* |
| FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND): | | | | | | | | |
| SC-58. | 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 FAST (RIBBON), 6-inch o.c. | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -37.5* |
| SC-59. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or AC Foam II | Note 2 | 1 per 2.0 ft ² | Additional layers of base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST (FULL) or Flexible FAST DT (FULL) | -45.0* |
| SC-60. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Note 2 | 1 per 3.2 ft ² | Min. 1.0-inch base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -45.0* |
| SC-61. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, 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 FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST (FULL) | -45.0* |
| SC-62. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2.0-inch InsulBase, SecurShield | Note 2 | 1 per 4.0 ft ² | Min. 1.0-inch base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -45.0* |
| SC-63. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2.0-inch InsulBase, 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 FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST (FULL) | -45.0* |
| SC-64. | 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 FAST (RIBBON, 6-inch o.c.) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -45.0* |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|---|---|---------------------------|---|---|---|---------------------------|
| | | Type | Fastener (Note 2, Note 11) | Attach | Type | Attach (Notes 6,7,8) | | |
| SC-65. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -45.0 |
| SC-66. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -52.5 |
| SC-67. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -60.0 |
| SC-68. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -60.0 |
| SC-69. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -67.5 |
| SC-70. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -67.5 |
| SC-71. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Note 2 | 1 per 1.6 ft ² | Min. 1.0-inch base insulation | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -67.5 |
| SC-72. | 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) | FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -75.0 |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|--------------------------------------|---|---------------------------|---|---|---|---------------------------|
| | | Type | Fastener (Note 2, Note 11) | Attach | Type | Attach (Notes 6,7,8) | | |
| SC-73. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -75.0 |
| SC-74. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, 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 FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -82.5 |
| SC-75. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.3 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON, 4-inch o.c.) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -82.5 |
| SC-76. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (FULL) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -82.5 |
| SC-77. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (FULL) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -82.5 |
| SC-78. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Flexible FAST or Flexible FAST DT (FULL) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -82.5 |
| SC-79. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.3 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON, 4-inch o.c.) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -90.0 |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf) |
|--|---|--------------------------------------|---|---------------------------|---|--|---|---------------------------|
| | | Type | Fastener (Note 2, Note 11) | Attach | Type | Attach (Notes 6,7,8) | | |
| SC-80. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime, SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (FULL) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -112.5 |
| SC-81. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Flexible FAST or Flexible FAST DT (FULL) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -112.5 |
| SC-82. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (FULL) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -135.0 |
| SC-83. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, 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 | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -37.5* |
| SC-84. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, 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 | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -45.0* |
| SC-85. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, 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 | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -60.0 |
| SURE-FLEX FLEECEBACK RL APPLICATIONS: | | | | | | | | |
| SC-86. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with 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 FAST or Flexible FAST DT (FULL or SPLATTER) | Sure-Flex FleeceBACK RL | -45.0* |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|--------------------------------------|---|---------------------------|---|--|--------------------------------------|---------------------------|
| | | Type | Fastener (Note 2, Note 11) | Attach | Type | Attach (Notes 6,7,8) | | |
| SC-87. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with 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 FAST or Flexible FAST DT (FULL) | Sure-Flex FleeceBACK RL | -52.5 |
| SC-88. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with 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 FAST or Flexible FAST DT (FULL) | Sure-Flex FleeceBACK RL | -82.5 |
| SC-89. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with 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 FAST or Flexible FAST DT (FULL) | Sure-Flex FleeceBACK RL | -112.5 |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|---|---|------------------------------------|---|---------------------------|--|--|---|---|---------------------------|
| | | Type | Fastener (Note 2, Note 11) | Attach | Type | Attach (Notes 6,7,8) | Base Ply | Top Ply | |
| FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND): | | | | | | | | | |
| SC-90. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 4.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Flexible FAST or Flexible FAST DT (RIBBON) | SureMB 90 Base, SureMB 90 Poly Base or SureMB 120 Poly Base / US Ply Duraflex 901 Premium SBS Modified Adhesive | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.) | -45.0* |
| SC-91. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 4.0 ft ² | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Flexible FAST or Flexible FAST DT (RIBBON) | SureMB 90TG or 120TG / torch-applied | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.) | -45.0* |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|------------|---|------------------------------------|---|---------------------------|--|---|--------------------------------------|--|------------------------------|
| | | Type | Fastener (Note 2, Note 11) | Attach | Type | Attach (Notes 6,7,8) | Base Ply | Top Ply | |
| SC-92. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | <u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | SureMB 90TG or 120TG / torch-applied | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST 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 | | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | | |
| BAREBACK APPLICATIONS: | | | | | | | | | | | | |
| SC-93. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum- Fiber Roof Board | Note 2 | 1 per 2.0 ft ² | CAV-GRIP Primer | VapAir Seal 725TR, self-adhering | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum- Fiber Roof Board or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS in CAV-GRIP PVC Adhesive, Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -45.0* |
| SC-94. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 2.0 ft ² | CAV-GRIP Primer | VapAir Seal 725TR, self-adhering | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layers base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS in CAV-GRIP PVC Adhesive, Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -45.0* |
| SC-95. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime | Carlisle InsulFast with Insulation Fastening Plate | 1 per 4.0 ft ² | None | SureMB 90TG or SureMB 120TG, torch-applied | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layers base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS / HydroBond | -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 | | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | | |
| SC-96. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime | Carlisle InsulFast with Insulation Fastening Plate | 1 per 4.0 ft ² | None | SureMB 90TG or SureMB 120TG, torch-applied | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layers base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP / CAV-GRIP PVC Adhesive or Low VOC PVC BA | -45.0* |
| SC-97. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum- Fiber Roof Board | Note 2 | 1 per 2.0 ft ² | CAV-GRIP Primer | VapAir Seal 725TR, self-adhering | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST (RIBBON) | (Optional) Additional layers base insulation | Flexible FAST (RIBBON, 6-inch o.c.) | Sure-Flex PVC or Sure-Flex PVC FRS in CAV-GRIP PVC Adhesive, Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -52.5 |
| SC-98. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime | Carlisle InsulFast with Insulation Fastening Plate | 1 per 1.6 ft ² | None | SureMB 90TG or SureMB 120TG, torch-applied | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | (Optional) Additional layer(s) base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS in CAV-GRIP PVC Adhesive, Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -67.5 |
| SC-99. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime | Carlisle InsulFast with Insulation Fastening Plate | 1 per 1.6 ft ² | None | SureMB 90TG or SureMB 120TG, torch-applied | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST 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 EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS in CAV-GRIP PVC Adhesive, Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -67.5 |
| FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND): | | | | | | | | | | | | |
| SC-100. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum- Fiber Roof Board | Note 2 | 1 per 2.0 ft ² | CAV-GRIP Primer | VapAir Seal 725TR, self-adhering | (Optional) Min. 1.5-Inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.) | -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 | | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | | |
| SC-101. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum- Fiber Roof Board | Note 2 | 1 per 2.0 ft ² | CAV-GRIP Primer | VapAir Seal 725TR, self-adhering | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layers base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.) | -45.0* |
| SC-102. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum- Fiber Roof Board | Note 2 | 1 per 2.0 ft ² | CAV-GRIP Primer | VapAir Seal 725TR, self-adhering | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST (RIBBON) | (Optional) Additional layers base insulation | Flexible FAST (RIBBON, 6-inch o.c.) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | -52.5 |
| FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND): | | | | | | | | | | | | |
| SC-103. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum- Fiber Roof Board | Note 2 | 1 per 2.0 ft ² | CAV-GRIP Primer | VapAir Seal 725TR, self-adhering | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum- Fiber Roof Board or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -45.0* |
| SC-104. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime | Carlisle InsulFast with Insulation Fastening Plate | 1 per 4 ft ² | None | SureMB 90TG or SureMB 120TG, torch-applied | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layers base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -45.0* |
| SC-105. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum- Fiber Roof Board | Note 2 | 1 per 2.0 ft ² | CAV-GRIP Primer | VapAir Seal 725TR, self-adhering | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST (RIBBON) | (Optional) Additional layers base insulation | Flexible FAST (RIBBON, 6-inch o.c.) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -52.5 |

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

| System No. | Deck (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 | | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | | |
| SC-106. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime | Carlisle InsulFast with Insulation Fastening Plate | 1 per 1.6 ft ² | None | SureMB 90TG or SureMB 120TG, torch-applied | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | (Optional) Additional layer(s) base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -67.5 |
| SC-107. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime | Carlisle InsulFast with Insulation Fastening Plate | 1 per 1.6 ft ² | None | SureMB 90TG or SureMB 120TG, torch-applied | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST 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 EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -67.5 |
| SURE-FLEX FLEECEBACK RL APPLICATIONS: | | | | | | | | | | | | |
| SC-108. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime | Carlisle InsulFast with Insulation Fastening Plate | 1 per 1.6 ft ² | None | SureMB 90TG or SureMB 120TG, torch-applied | Min. 1.5-inch InsulBase RL | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | None | N/A | Sure-Flex FleeceBACK RL | -67.5 |
| SC-109. | Min. 22 ga., type B, Grade 33 steel | Min. 0.5-inch DensDeck Prime | Carlisle InsulFast with Insulation Fastening Plate | 1 per 1.6 ft ² | None | SureMB 90TG or SureMB 120TG, torch-applied | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST 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 InsulBase RL | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex FleeceBACK RL | -67.5 |

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

| System No. | Deck (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 | | |
| BAREBACK APPLICATIONS: | | | | | | | |
| SC-110. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Min. 0.25-inch DensDeck Prime | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 3.2 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -30.0* |
| SC-111. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Min. 0.5-inch DensDeck Prime | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 5.3 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -30.0* |
| SC-112. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, loose laid | Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Steel: Carlisle InsulFast with AccuTrac Plate Concrete: HD 14-10 Fastener, CD-10 or HP Concrete Spike (1/4) with AccuTrac Plate | 1 per 4.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -30.0* |
| SC-113. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Min. 0.625-inch DensDeck Prime | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 5.3 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -37.5* |
| SC-114. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 1.5-inch InsulBase, SecurShield | Note 2 | 1 per 2.9 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -37.5* |
| SC-115. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 2.67 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -37.5* |
| SC-116. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, loose laid | Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Steel: Carlisle InsulFast with AccuTrac Plate Concrete: HD 14-10 Fastener, CD-10 or HP Concrete Spike (1/4) with AccuTrac Plate | 1 per 2.9 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -45.0* |
| SC-117. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min. 0.5-inch SecurShield HD Plus | Note 2 | 1 per 4.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -45.0* |
| SC-118. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.5-inch DensDeck Prime | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 4.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -45.0* |
| SC-119. | 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 EcoStorm VSH | Note 2 | 1 per 4.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -45.0* |

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

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|--|--|---|---------------------------|--|-----------|
| | | | Type | Fastener (Note 2, Note 11) | Attach | | |
| SC-120. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 2-inch InsulBase or SecurShield | Note 2 | 1 per 4.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -45.0* |
| SC-121. | 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 EcoStorm VSH | Note 2 | 1 per 3.2 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -45.0* |
| SC-122. | 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 | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -45.0* |
| SC-123. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.0-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min. 0.25-inch DensDeck Prime | Note 2 | 1 per 2.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -45.0* |
| SC-124. | 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 EcoStorm VSH | Note 2 | 1 per 2.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -45.0* |
| SC-125. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 1.5-inch InsulBase, SecurShield | Note 2 | 1 per 2.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -45.0* |
| SC-126. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 1-inch InsulBase, SecurShield | Note 2 | 1 per 1.6 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -45.0* |
| SC-127. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Min. 0.25-inch DensDeck Prime | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.8 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -52.5 |
| SC-128. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.0-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min. 0.5-inch DensDeck Prime | Note 2 | 1 per 1.6 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -52.5 |
| SC-129. | 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 | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -60.0 |
| SC-130. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min. 0.5-inch SecurShield HD Plus | Note 2 | 1 per 1.8 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -60.0 |

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

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|--|--|---|---------------------------|--|-----------|
| | | | Type | Fastener (Note 2, Note 11) | Attach | | |
| SC-131. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Min. 0.5-inch DensDeck Prime | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.8 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -67.5 |
| SC-132. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 2.0-inch InsulBase, SecurShield | Note 2 | 1 per 1.6 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -67.5 |
| SC-133. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Min. 0.5-inch DensDeck Prime | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -75.0 |
| SC-134. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or AC Foam II | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or EcoStorm VSH | Note 2 | 1 per 1.6 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -82.5 |
| SC-135. | 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 EcoStorm VSH | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -82.5 |
| SC-136. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or AC Foam II | Min. 0.5-inch SecurShield HD Plus | Note 2 | 1 per 1.3 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -112.5 |
| SC-137. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | (Optional) Min. 1-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or AC Foam II | Min. 2-inch SecurShield HD Composite | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.3 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -112.5 |
| SC-138. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or AC Foam II | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or EcoStorm VSH | Note 2 | 1 per 1.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -112.5 |
| SC-139. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or AC Foam II | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -112.5 |
| SC-140. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or AC Foam II | Min. 2-inch SecurShield | Note 2 | 1 per 1.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -112.5 |
| SC-141. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.5-inch DensDeck Prime | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -127.5 |

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

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|---|--|--|---------------------------|--|-----------|
| | | | Type | Fastener (Note 2, Note 11) | Attach | | |
| SC-142. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) Min. 1-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min. 2-inch InsulBase or SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -127.5 |
| SC-143. | 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 EcoStorm VSH | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -135.0 |
| SC-144. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | (Optional) Min. 1-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min. 2.5-inch SecurShield HD Composite | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -150.0 |
| SC-145. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Min. 0.25-inch DensDeck Prime | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 3.2 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -30.0* |
| SC-146. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Min. 0.5-inch DensDeck Prime | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 5.3 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -30.0* |
| SC-147. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, loose laid | Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Steel: Carlisle InsulFast with AccuTrac Plate Concrete: HD 14-10 Fastener, CD-10 or HP Concrete Spike (1/4) with AccuTrac Plate | 1 per 4.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / HydroBond | -30.0* |
| SC-148. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, loose laid | Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Steel: Carlisle InsulFast with AccuTrac Plate Concrete: HD 14-10 Fastener, CD-10 or HP Concrete Spike (1/4) with AccuTrac Plate | 1 per 4.0 ft ² | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP / Low VOC PVC BA | -30.0* |
| SC-149. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Min. 0.625-inch DensDeck Prime | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 5.3 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -37.5* |
| SC-150. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 1.5-inch InsulBase, SecurShield | Note 2 | 1 per 2.9 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -37.5* |
| 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 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EcoStorm VSH | Note 2 | 1 per 2.7 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -37.5* |

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

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|--|---|--|---------------------------|--|-----------|
| | | | Type | Fastener (Note 2, Note 11) | Attach | | |
| SC-152. | 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 | Carlisle InsulFast with SecurFast Insulation Fastening Plate | 1 per 2.7 ft ² | Sure-Flex PVC / Low VOC PVC BA | -37.5* |
| SC-153. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min. 0.5-inch HP Recovery Board | Note 2 | 1 per 1.6 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / Aquabase 120 Water Based BA | -37.5* |
| SC-154. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, loose laid | Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Steel: Carlisle InsulFast with AccuTrac Plate Concrete: HD 14-10 Fastener, CD-10 or HP Concrete Spike (1/4) with AccuTrac Plate | 1 per 2.9 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / HydroBond | -45.0* |
| SC-155. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, loose laid | Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Steel: Carlisle InsulFast with AccuTrac Plate Concrete: HD 14-10 Fastener, CD-10 or HP Concrete Spike (1/4) with AccuTrac Plate | 1 per 2.9 ft ² | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP / Low VOC PVC BA | -45.0* |
| SC-156. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min. 0.5-inch SecurShield HD Plus | Note 2 | 1 per 4.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -45.0* |
| SC-157. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.5-inch DensDeck Prime | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 4.0 ft ² | Sure-Flex PVC / Low VOC PVC BA or HydroBond WB | -45.0* |
| SC-158. | 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 | Carlisle InsulFast with SecurFast Insulation Fastening Plate | 1 per 4.0 ft ² | Sure-Flex PVC / Low VOC PVC BA | -45.0* |
| SC-159. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.625-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EcoStorm VSH | Note 2 | 1 per 4.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -45.0* |
| SC-160. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 2-inch InsulBase or SecurShield | Note 2 | 1 per 4.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -45.0* |
| SC-161. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.5-inch DensDeck Prime | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 3.2 ft ² | Sure-Flex KEE HP in Low VOC PVC BA | -45.0* |
| SC-162. | 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 EcoStorm VSH | Note 2 | 1 per 3.2 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex 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 | | |
| SC-163. | 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 | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -45.0* |
| SC-164. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.0-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min. 0.25-inch DensDeck Prime | Note 2 | 1 per 2.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -45.0* |
| SC-165. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EcoStorm VSH | Note 2 | 1 per 2.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -45.0* |
| SC-166. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.0-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min. 0.5-inch HP Recovery Board | Note 2 | 1 per 2.0 ft ² | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP / Low VOC PVC BA | -45.0* |
| SC-167. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Note 2 | 1 per 2.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -45.0* |
| SC-168. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min. 0.25-inch DensDeck Prime | Note 2 | 1 per 1.6 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / Aquabase 120 Water Based BA | -45.0* |
| SC-169. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 1-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Note 2 | 1 per 1.6 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / Low VOC PVC BA or HydroBond WB | -45.0* |
| SC-170. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Min. 0.25-inch DensDeck Prime | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.8 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -52.5 |
| SC-171. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.0-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min. 0.5-inch DensDeck Prime | Note 2 | 1 per 1.6 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -52.5 |
| SC-172. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 7/16-inch APA rated OSB | Note 2 | 1 per 1.9 ft ² | Sure-Flex KEE HP in Low VOC PVC BA | -52.5 |
| SC-173. | 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 | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -60.0 |

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

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|--|--|---|----------------------------|--|---------------------------|
| | | | Type | Fastener (Note 2, Note 11) | Attach | | |
| SC-174. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 7/16-inch APA rated OSB | Note 2 | 1 per 1.9 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in HydroBond WB | -60.0 |
| SC-175. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min. 0.5-inch SecurShield HD Plus | Note 2 | 1 per 1.78 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -60.0 |
| SC-176. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EcoStorm VSH | Note 2 | 1 per 1.6 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -60.0 |
| SC-177. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 2.0-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Note 2 | 1 per 1.6 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in HydroBond WB | -60.0 |
| SC-178. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 2.0-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | Sure-Flex KEE HP in Low VOC PVC BA | -60.0 |
| SC-179. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Min. 0.5-inch DensDeck Prime | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.8 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -67.5 |
| SC-180. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 7/16-inch APA rated OSB | Note 2 | 1 per 1.9 ft ² | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP / Low VOC PVC BA | -67.5 |
| SC-181. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 2.0-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Note 2 | 1 per 1.6 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS / Low VOC PVC BA | -67.5 |
| SC-182. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Min. 0.5-inch DensDeck Prime | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -75.0 |
| SC-183. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or EcoStorm VSH | Note 2 | 1 per 1.6 ft ² | Sure-Flex PVC or Sure-Flex KEE HP / Low VOC PVC BA | -82.5 |
| SC-184. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or EcoStorm VSH | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | Sure-Flex KEE HP in Low VOC PVC BA | -82.5 |

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

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|---|---|---|--|---|---------------------------|---|-----------|
| | | | Type | Fastener (Note 2, Note 11) | Attach | | |
| SC-185. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min. 0.5-inch SecurShield HD Plus | Note 2 | 1 per 1.3 ft ² | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP / Low VOC PVC BA | -112.5 |
| SC-186. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | (Optional) Min. 1-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min. 2-inch SecurShield HD Composite | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.3 ft ² | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP / Low VOC PVC BA | -112.5 |
| SC-187. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or EcoStorm VSH | Note 2 | 1 per 1.0 ft ² | Sure-Flex PVC or Sure-Flex KEE HP / Low VOC PVC BA | -112.5 |
| SC-188. | Min. 22 ga., type B, Grade 33 steel | Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min 0.5-inch SECUROCK Ultralight Coated Glass-Mat Roof Board | Carlisle InsulFast with SecurFast Insulation Fastening Plate | 1 per 1.0 ft ² | Sure-Flex PVC / Low VOC PVC BA | -112.5 |
| SC-189. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or EcoStorm VSH | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | Sure-Flex PVC or Sure-Flex KEE HP / Low VOC PVC BA | -112.5 |
| SC-190. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min. 2-inch SecurShield | Note 2 | 1 per 1.0 ft ² | Sure-Flex PVC or Sure-Flex KEE HP / Low VOC PVC BA | -112.5 |
| SC-191. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.5-inch DensDeck Prime | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | Sure-Flex PVC or Sure-Flex PVC FRS in Low VOC PVC BA or HydroBond WB or Sure-Flex KEE HP in Low VOC PVC BA | -127.5 |
| SC-192. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) Min. 1-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min. 2-inch InsulBase or SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP / Low VOC PVC BA | -127.5 |
| SC-193. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | (Optional) Min. 1-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min. 2.5-inch SecurShield HD Composite | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP / Low VOC PVC BA | -150.0 |
| FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND): | | | | | | | |
| SC-194. | 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 | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.) | -45.0* |
| FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND): | | | | | | | |

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

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|--|---|--|----------------------------|---|-----------|
| | | | Type | Fastener (Note 2, Note 11) | Attach | | |
| SC-195. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Min. 0.25-inch DensDeck Prime | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 3.2 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -30.0* |
| SC-196. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Min. 0.5-inch DensDeck Prime | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 5.3 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -30.0* |
| SC-197. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, loose laid | Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Steel: Carlisle InsulFast with AccuTrac Plate Concrete: HD 14-10 Fastener, CD-10 or HP Concrete Spike (1/4) with AccuTrac Plate | 1 per 4.0 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -30.0* |
| SC-198. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Min. 0.625-inch DensDeck Prime | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 5.3 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -37.5* |
| SC-199. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 1.5-inch InsulBase, SecurShield | Note 2 | 1 per 2.9 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -37.5* |
| SC-200. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 2.67 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -37.5* |
| SC-201. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 1-inch InsulBase or SecurShield | Note 2 | 1 per 1.6 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -45.0* |
| SC-202. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 1.5-inch InsulBase or SecurShield | Note 2 | 1 per 2.0 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -45.0* |

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

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|--|---|--|---------------------------|---|-----------|
| | | | Type | Fastener (Note 2, Note 11) | Attach | | |
| SC-203. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 2-inch InsulBase or SecurShield | Note 2 | 1 per 4.0 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -45.0* |
| SC-204. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, loose laid | Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Steel: Carlisle InsulFast with AccuTrac Plate Concrete: HD 14-10 Fastener, CD-10 or HP Concrete Spike (1/4) with AccuTrac Plate | 1 per 2.9 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -45.0* |
| SC-205. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min. 0.5-inch SecurShield HD Plus or EcoStorm VSH | Note 2 | 1 per 4.0 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -45.0* |
| SC-206. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.0-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min. 0.25-inch DensDeck Prime | Note 2 | 1 per 2.0 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -45.0* |
| SC-207. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.5-inch DensDeck Prime | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 4.0 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -45.0* |
| SC-208. | 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 | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -45.0* |
| SC-209. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 3.2 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -45.0* |
| SC-210. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 0.625-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 4.0 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -45.0* |

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

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|--|---|--|----------------------------|---|---------------------------|
| | | | Type | Fastener (Note 2, Note 11) | Attach | | |
| SC-211. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Min. 0.25-inch DensDeck Prime | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.8 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -52.5 |
| SC-212. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Min. 0.5-inch DensDeck Prime | Note 2 | 1 per 1.6 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -52.5 |
| SC-213. | 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 | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -60.0 |
| SC-214. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 2.0-inch InsulBase, SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -60.0 |
| SC-215. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACfoam II | Min. 0.5-inch SecurShield HD Plus or EcoStorm VSH | Note 2 | 1 per 1.78 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -60.0 |
| SC-216. | 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: Carlisle InsulFast with SecurFast Insulation Fastening Plate Concrete: HD 14-10 Fastener, CD-10 or HP Concrete Spike (1/4) with SecurFast Insulation Fastening Plate | 1 per 1.0 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / FAST DT Flexible FAST or Flexible FAST DT (FULL) | -60.0 |
| SC-217. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 1.6 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -60.0 |
| SC-218. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers | Min. 2.0-inch InsulBase, SecurShield | Note 2 | 1 per 1.6 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -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 | | |
| SC-219. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Min. 0.5-inch DensDeck Prime | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.8 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -67.5 |
| SC-220. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Min. 0.5-inch DensDeck Prime | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -75.0 |
| SC-221. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, loose laid | Min 7/16-inch APA or TECO rated OSB | Note 2 | 1 per 1.9 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -75.0 |
| SC-222. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -82.5 |
| SC-223. | 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 | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Aqua Base 120 BA | -82.5 |
| SC-224. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield | Min. 2-inch SecurShield | Note 2 | 1 per 1.0 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -112.5 |
| SC-225. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min. 0.5-inch SecurShield HD Plus or EcoStorm VSH | Note 2 | 1 per 1.3 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -112.5 |
| SC-226. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | (Optional) Min. 1-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min. 2-inch SecurShield HD Composite | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.3 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -112.5 |
| SC-227. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -112.5 |

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

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|--|---|---|--|---|---------------------------|---|-----------|
| | | | Type | Fastener (Note 2, Note 11) | Attach | | |
| SC-228. | 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: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -127.5 |
| SC-229. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) Min. 1-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min. 2-inch InsulBase or SecurShield | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -127.5 |
| 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 7/16-inch APA or TECO rated OSB | Note 2 | 1 per 1.0 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -135.0 |
| SC-231. | 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 | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -135.0 |
| SC-232. | 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 | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST DT (FULL) | -150.0 |
| SC-233. | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | (Optional) Min. 1-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | Min. 2.5-inch SecurShield HD Composite | Steel: Carlisle InsulFast with Insulation Fastening Plate Concrete: Note 2 | 1 per 1.0 ft ² | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -150.0 |
| SURE-FLEX FLEECEBACK RL APPLICATIONS: | | | | | | | |
| SC-234. | 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 InsulBase RL | Steel: Carlisle InsulFast with Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2 | 1 per 4.0 ft ² | Sure-Flex FleeceBACK RL | -45.0* |
| SC-235. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min., 1.5-inch InsulBase, SecurShield, loose-laid | Min. 0.5-inch SecurShield HD RL | Steel: Carlisle InsulFast with Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2 | 1 per 2.0 ft ² | Sure-Flex FleeceBACK RL | -45.0* |

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

| System No. | Deck (Note 1) | Base Insulation Layer (Note 3, Note 13) | Top Insulation Layer | | | Roof Cover (Note 15) | MDP (psf) |
|------------|---|--|----------------------------|---|---------------------------|--------------------------------------|---------------------------|
| | | | Type | Fastener (Note 2, Note 11) | Attach | | |
| SC-236. | 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 InsulBase RL | Steel: Carlisle InsulFast with Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2 | 1 per 1.6 ft ² | Sure-Flex FleeceBACK RL | -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 | | |
| RHINO BOND SYSTEMS: | | | | | | |
| SC-237. | Min. 22 ga., type B, Grade 33 steel | Min. 1-inch thick, one or more layers, any combination. Note A. | HP-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 | Sure-Flex PVC or Sure-Flex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -45.0 |
| SC-238. | 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. | HP-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) | Sure-Flex PVC (min. 60-mil) or Sure-Flex KEE HP (min. 60-mil) induction welded with RhinoBond tool per manufacturer's instructions | -52.5 |
| SC-239. | 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. | HP-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) | Sure-Flex PVC (min. 60-mil) or Sure-Flex KEE HP (min. 60-mil) induction welded with RhinoBond tool per manufacturer's instructions | -52.5 |
| SC-240. | Min. 22 ga., type B, Grade 33 steel | Min. 1-inch thick, one or more layers, any combination. Note A. | HP-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 | Sure-Flex PVC or Sure-Flex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -52.5 |
| SC-241. | 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. | HP-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) | Sure-Flex PVC or Sure-Flex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -52.5 |
| SC-242. | Min. 22 ga., type B, Grade 80 steel | Min. 1-inch thick, one or more layers, any combination. Note A. | HP-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 | Sure-Flex PVC or Sure-Flex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -60.0 |
| SC-243. | Min. 22 ga., type B, Grade 33 steel | Min. 1.5-inch thick, one or more layers, any combination. Note A. | HP-Xtra 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 | Sure-Flex PVC or Sure-Flex 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-244. | Min. 22 ga., type B, Grade 80 steel | Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached | HP-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. | Sure-Flex PVC or Sure-Flex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -30.0 |
| SC-245. | Min. 22 ga., type B, Grade 80 steel | Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached | HP-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. | Sure-Flex PVC or Sure-Flex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -37.5 |
| SC-246. | Min. 22 ga., type B, Grade 80 steel | Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached | HP-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. | Sure-Flex PVC or Sure-Flex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -52.5 |
| SC-247. | Min. 22 ga., type B, Grade 80 steel | Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached | HP-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. | Sure-Flex PVC or Sure-Flex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -60.0 |
| SC-248. | Min. 22 ga., type B, Grade 80 steel | Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached | HP-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. | Sure-Flex PVC or Sure-Flex 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-249. | 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 | Sure-Flex PVC or Sure-Flex KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions | -37.5 |
| SC-250. | 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 | Sure-Flex PVC or Sure-Flex KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions | -37.5 |
| SC-251. | 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. | Sure-Flex PVC or Sure-Flex KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions | -45.0 |
| SC-252. | 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. | Sure-Flex PVC or Sure-Flex KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions | -45.0 |
| SC-253. | 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 | Sure-Flex PVC or Sure-Flex 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-254. | 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 | Sure-Flex PVC or Sure-Flex KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions | -52.5 |
| SC-255. | 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 | Sure-Flex PVC or Sure-Flex KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions | -82.5 |
| SC-256. | 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 | Sure-Flex PVC or Sure-Flex KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions | -82.5 |
| SC-257. | 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. | Sure-Flex PVC or Sure-Flex 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-258. | 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 | Sure-Flex PVC | HP-X Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with Piranha Plate | 18 | 5.5 | 75.5 | 1.5 | -30.0 |
| SC-259. | 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 | Sure-Flex 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-260. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, one or more layers, any combination | prelim. attach | Sure-Flex PVC | HP-Xtra Fastener and Piranha Xtra Plate (steel only) or HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with Piranha Plate | 18 | 5.5 | 75.5 | 1.5 | -30.0 |
| SC-261. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, one or more layers, any combination | prelim. attach | Sure-Flex KEE HP | HP-Xtra Fastener and Piranha Xtra Plate (steel only) or HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with Piranha Plate | 12 | 5 | 115 | 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-262. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, one or more layers, any combination | prelim. attach | Sure-Flex KEE HP | HP-Xtra Fastener and Piranha Xtra Plate (steel only) or HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with Piranha Plate | 12 | 6 | 114 | 1.5 | -30.0 |
| SC-263. | 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 | Sure-Flex PVC or Sure-Flex PVC FleeceBACK | HP-X Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with Piranha Plate | 12 | 5.5 | 75.5 | 1.5 | -37.5 |
| SC-264. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, one or more layers, any combination | prelim. attach | Sure-Flex PVC or Sure-Flex PVC FleeceBACK | 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-265. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, one or more layers, any combination | prelim. attach | Sure-Flex PVC, Sure-Flex PVC FleeceBACK, Sure-Flex KEE HP or Sure-Flex KEE HP FleeceBACK | HP-X Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with Piranha Plate | 6 | 5 | 115 | 1.5 | -37.5 |
| SC-266. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, one or more layers, any combination | prelim. attach | Sure-Flex KEE HP or Sure-Flex KEE HP FleeceBACK | HP-X Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with Piranha Plate | 6 | 6 | 114 | 1.5 | -37.5 |
| SC-267. | 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 | Sure-Flex PVC | HP-X Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with Piranha Plate | 12 | 5.5 | 75.5 | 1.5 | -45.0 |
| SC-268. | 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 | Sure-Flex 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-269. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, one or more layers, any combination | prelim. attach | Sure-Flex PVC or Sure-Flex KEE HP | HP-Xtra Fastener and Piranha Xtra Plate (steel only) or HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with Piranha Plate | 12 | 5.5 | 75.5 | 1.5 | -45.0 |
| SC-270. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, one or more layers, any combination | prelim. attach | Sure-Flex PVC, Sure-Flex PVC FleeceBACK, Sure-Flex KEE HP or Sure-Flex KEE HP FleeceBACK | HP-X Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with Piranha Plate | 12 | 5.5 | 54.5 | 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-271. | 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 Sure-Flex PVC, Sure-Flex PVC FleeceBACK or min. 50-mil Sure-Flex KEE HP, Sure-Flex KEE HP FleeceBACK | HP-X Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with Piranha Plate | 6 | 5.5 | 114.5 | 1.5 | -45.0 |
| SC-272. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, one or more layers, any combination | prelim. attach | Sure-Flex KEE HP or Sure-Flex KEE HP FleeceBACK | HP-X Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) and Dekfast PLT-O2-3/4-12B | 6 | 6 | 114 | 1.5 | -45.0 |
| SC-273. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, one or more layers, any combination | prelim. attach | Sure-Flex PVC or Sure-Flex PVC FleeceBACK | HP-X Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with Piranha Plate | 12 | 5.5 | 35.5 | 1.5 | -52.5 |
| SC-274. | 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 | Sure-Flex PVC or Sure-Flex PVC FleeceBACK | 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-275. | 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 | Sure-Flex PVC FleeceBACK or Sure-Flex KEE HP FleeceBACK | HP-X Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with Piranha Plate | 6 | 5.5 | 114.5 | 1.5 | -52.5 |
| SC-276. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, one or more layers, any combination (optional for recover) followed by 3/8-inch Insulfoam R-Tech EPS or Fan-Fold | Loose laid | Sure-Flex PVC, Sure-Flex PVC FleeceBACK, Sure-Flex KEE HP or Sure-Flex KEE HP FleeceBACK | HP-X Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with Piranha Plate | 6 | 5.5 | 75.5 | 1.5 | -52.5 |
| SC-277. | 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 | Sure-Flex PVC or Sure-Flex PVC FleeceBACK | 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-278. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, one or more layers, any combination | prelim. attach | Sure-Flex PVC or Sure-Flex PVC FleeceBACK | HP-X Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with Piranha Plate | 12 | 5.5 | 35 | 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-279. | Min. 22 ga., type B, Grade 33 steel, 7 ft span, 5/8" puddle welds, 6" o.c. Side laps ITW HWH #12 Tek's 1, 24" o.c. or min. 2,500 psi structural concrete | Min. 1-inch, one or more layers, any combination | prelim. attach | Min. 60-mil Sure-Flex PVC or min. 50-mil Sure-Flex KEE HP | HP-X Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with Piranha Plate | 6 | 5.5 | 114.5 | 1.5 | -60.0 |
| SC-280. | 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 Sure-Flex PVC or min. 50-mil Sure-Flex KEE HP | HP-X Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with Piranha Plate | 6 | 5.5 | 114.5 | 1.5 | -60.0 |
| SC-281. | 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 | Sure-Flex PVC or Sure-Flex PVC FleeceBACK | HP-X Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with Piranha Plate | 6 | 5.5 | 75.5 | 1.5 | -60.0 |
| SC-282. | 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 | Sure-Flex PVC, Sure-Flex PVC FleeceBACK, Sure-Flex KEE HP or Sure-Flex KEE HP FleeceBACK | HP-X Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with Piranha Plate | 6 | 5.5 | 54.5 | 1.5 | -67.5 |
| SC-283. | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, one or more layers, any combination | prelim. attach | Min. 60-mil Sure-Flex PVC, Sure-Flex PVC FleeceBACK, Sure-Flex KEE HP or Sure-Flex KEE HP FleeceBACK | HP-X Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with Piranha Plate | 6 | 5.5 | 54.5 | 1.5 | -75.0 |
| SC-284. | 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 | Sure-Flex PVC, Sure-Flex PVC FleeceBACK, Sure-Flex KEE HP or Sure-Flex KEE HP FleeceBACK | HP-X Fastener (steel only), HD 14-10 Fastener (concrete only) or CD-10 (concrete only) with Piranha Plate | 6 | 5.5 | 35 | 1.5 | -82.5 |
| SC-285. | 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 | Sure-Flex PVC or Sure-Flex PVC FleeceBACK | 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 16](#) FOR VAPOR BARRIER OPTIONS

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

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

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

| Sys. No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|----------|------------------------------------|---|--|---|--|--------------------------------------|-----------------------|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| C-10. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | CAV-GRIP PVC Adhesive | -277.5 |
| C-11. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST DT (FULL) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible FAST DT (FULL) | Sure-Flex PVC or Sure-Flex PVC FRS | CAV-GRIP PVC Adhesive | -397.5 |
| C-12. | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD | Flexible FAST DT (RIBBON) | Insulation: Min. 1.6-inch Kingspan (Pembridge) "Optim-R" Coverboard: Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | CAV-GRIP PVC Adhesive | -127.5 |
| C-13. | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD | Flexible FAST DT (FULL) | Insulation: Min. 1.6-inch Kingspan (Pembridge) "Optim-R" Coverboard: Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible FAST DT (FULL) | Sure-Flex PVC or Sure-Flex PVC FRS | CAV-GRIP PVC Adhesive | -397.5 |
| C-14. | Min. 2,500 psi structural concrete | Min. 0.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | CAV-GRIP PVC Adhesive | -157.5 |
| C-15. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch EcoStorm VSH | Flexible FAST (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | CAV-GRIP PVC Adhesive | -352.5 |
| C-16. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch EcoStorm VSH | Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | CAV-GRIP PVC Adhesive | -277.5 |
| C-17. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST DT (FULL) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch EcoStorm VSH | Flexible FAST DT (FULL) | Sure-Flex PVC or Sure-Flex PVC FRS | CAV-GRIP PVC Adhesive | -352.5 |
| C-18. | Min. 2,500 psi structural concrete | Min. 0.5-inch EcoStorm VSH | Flexible FAST or Flexible FAST DT (FULL) | None | N/A | Sure-Flex PVC or Sure-Flex PVC FRS | CAV-GRIP PVC Adhesive | -495.0 |
| C-19. | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST or Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | 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 16](#) FOR VAPOR BARRIER OPTIONS

| Sys. No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|----------|------------------------------------|---|--|---|--|--------------------------------------|--------------|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| C-20. | Min. 2,500 psi structural concrete | Min. 0.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layer(s) base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -60.0 |
| C-21. | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -60.0 |
| C-22. | Min. 2,500 psi structural concrete | Min. 0.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -157.5 |
| C-23. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -180.0 |
| C-24. | Min. 2,500 psi structural concrete | Min. 0.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -157.5 |
| C-25. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible FAST (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -397.5 |
| C-26. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -277.5 |
| C-27. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST DT (FULL) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible FAST DT (FULL) | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -397.5 |
| C-28. | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD | Flexible FAST DT (RIBBON) | <u>Insulation:</u> Min. 1.6-inch Kingspan (Pembridge) "Optim-R" <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -127.5 |

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

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

| Sys. No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|----------|------------------------------------|---|--|--|--|--|----------------|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| C-29. | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD | Flexible FAST DT (FULL) | Insulation: Min. 1.6-inch Kingspan (Pembrige) "Optim-R" Coverboard: Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible FAST DT (FULL) | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -397.5 |
| C-30. | Min. 2,500 psi structural concrete | Min. 0.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -157.5 |
| C-31. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch EcoStorm VSH | Flexible FAST (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -352.5 |
| C-32. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch EcoStorm VSH | Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -277.5 |
| C-33. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST DT (FULL) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch EcoStorm VSH | Flexible FAST DT (FULL) | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -352.5 |
| C-34. | Min. 2,500 psi structural concrete | Min. 0.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -157.5 |
| C-35. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST or Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -180.0 |
| C-36. | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST or Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -112.5 |
| C-37. | Min. 2,500 psi structural concrete | Min. 0.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layer(s) base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -157.5 |
| C-38. | Min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layer(s) base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -225.0 |

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

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

| Sys. No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|----------|------------------------------------|---|--|--|--|--|----------------|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| C-39. | Min. 2,500 psi structural concrete | Min. 0.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -157.5 |
| C-40. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible FAST (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -315.0 |
| C-41. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -277.5 |
| C-42. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST DT (FULL) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible FAST DT (FULL) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -315.0 |
| C-43. | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -112.5 |
| C-44. | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST (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 FAST (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -67.5 |
| C-45. | Min. 2,500 psi structural concrete | Min. 0.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -157.5 |
| C-46. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -180.0 |
| C-47. | Min. 2,500 psi structural concrete | Min. 0.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -157.5 |
| C-48. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible FAST (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex 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 16](#) FOR VAPOR BARRIER OPTIONS

| Sys. No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|----------|------------------------------------|---|--|---|--|--|----------------|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| C-49. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -277.5 |
| C-50. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST DT (FULL) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible FAST DT (FULL) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -397.5 |
| C-51. | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD | Flexible FAST DT (RIBBON) | Insulation: Min. 1.6-inch Kingspan (Pembridge) "Optim-R" Coverboard: Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -127.5 |
| C-52. | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD | Flexible FAST DT (FULL) | Insulation: Min. 1.6-inch Kingspan (Pembridge) "Optim-R" Coverboard: Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible FAST DT (FULL) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -397.5 |
| C-53. | Min. 2,500 psi structural concrete | Min. 0.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -157.5 |
| C-54. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch EcoStorm VSH | Flexible FAST (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -352.5 |
| C-55. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch EcoStorm VSH | Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -277.5 |
| C-56. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST DT (FULL) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch EcoStorm VSH | Flexible FAST DT (FULL) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -352.5 |
| C-57. | Min. 2,500 psi structural concrete | Min. 0.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -157.5 |
| C-58. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST or Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex 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 16](#) FOR VAPOR BARRIER OPTIONS

| Sys. No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|---|------------------------------------|---|--|---|--|--|--|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| C-59. | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST or Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -112.5 |
| C-60. | Min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | OB500 | (Optional) Additional layers of base insulation | OB500 | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -60.0 |
| C-61. | Min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, HP-N, HP-W, ENRGY 3 or ACFoam II | OB500 | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -60.0 |
| C-62. | Min. 2,500 psi structural concrete | Min. 1.5-inch HP-N or ENRGY 3 | OB500 | (Optional) Additional layers of base insulation | OB500 | Sure-Flex PVC or Sure-Flex PVC FRS | Low VOC PVC BA | -127.5 |
| C-63. | Min. 2,500 psi structural concrete | Min. 1.5-inch InsulBase, SecurShield, HP-W or ACFoam II | OB500 | (Optional) Additional layers of base insulation | OB500 | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -150.0 |
| C-64. | Min. 2,500 psi structural concrete | Min. 1.5-inch HP-N or ENRGY 3 | OB500 | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime | OB500 | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -127.5 |
| C-65. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield, HP-W or ACFoam II | OB500 | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime | OB500 | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -150.0 |
| FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND): | | | | | | | | |
| C-66. | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST or Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.) | -37.5 |
| FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND): | | | | | | | | |
| C-67. | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | HydroBond WB | -157.5 |

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

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

| Sys. No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|----------|------------------------------------|---|--|---|--|--|--|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| C-68. | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | HydroBond WB | -157.5 |
| C-69. | Min. 2,500 psi structural concrete | Min. 0.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | HydroBond WB | -157.5 |
| C-70. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | HydroBond WB | -397.5 |
| C-71. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | HydroBond WB | -277.5 |
| C-72. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST DT (FULL) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST DT (FULL) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | HydroBond WB | -397.5 |
| C-73. | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD | Flexible FAST DT (RIBBON) | Insulation: Min. 1.6-inch Kingspan (Pembridge) "Optim-R" Coverboard: Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | HydroBond WB | -127.5 |
| C-74. | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD | Flexible FAST DT (FULL) | Insulation: Min. 1.6-inch Kingspan (Pembridge) "Optim-R" Coverboard: Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible FAST DT (FULL) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | HydroBond WB | -397.5 |
| C-75. | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layer(s) base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST 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 16](#) FOR VAPOR BARRIER OPTIONS

| Sys. No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|----------|------------------------------------|---|--|---|--|--|--|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| C-76. | Min. 2,500 psi structural concrete | Min. 0.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -157.5 |
| C-77. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible FAST (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -397.5 |
| C-78. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -277.5 |
| C-79. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST DT (FULL) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible FAST DT (FULL) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -457.5 |
| C-80. | Min. 2,500 psi structural concrete | Min. 0.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -157.5 |
| C-81. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -187.5 |
| C-82. | Min. 2,500 psi structural concrete | Min. 0.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST 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 FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -157.5 |
| C-83. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST (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 FAST (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST 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 16](#) FOR VAPOR BARRIER OPTIONS

| Sys. No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|----------|------------------------------------|---|--|---|--|--|--|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| C-84. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 7/16-inch APA rated OSB or min. 15/32-inch APA rated plywood | Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -277.5 |
| C-85. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST DT (FULL) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 7/16-inch APA rated OSB or min. 15/32-inch APA rated plywood | Flexible FAST DT (FULL) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -322.5 |
| C-86. | Min. 2,500 psi structural concrete | Min. 0.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -157.5 |
| C-87. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -397.5 |
| C-88. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -277.5 |
| C-89. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST DT (FULL) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST DT (FULL) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -397.5 |
| C-90. | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD | Flexible FAST DT (RIBBON) | Insulation: Min. 1.6-inch Kingspan (Pembridge) "Optim-R" Coverboard: Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -127.5 |
| C-91. | Min. 2,500 psi structural concrete | Min. 0.5-inch SecurShield HD | Flexible FAST DT (FULL) | Insulation: Min. 1.6-inch Kingspan (Pembridge) "Optim-R" Coverboard: Min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible FAST DT (FULL) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST 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 16](#) FOR VAPOR BARRIER OPTIONS

| Sys. No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|--|------------------------------------|---|--|--|--|--|--|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Membrane | Application | |
| C-92. | Min. 2,500 psi structural concrete | Min. 0.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -157.5 |
| C-93. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -187.5 |
| C-94. | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -112.5 |
| SURE-FLEX FLEECEBACK RL APPLICATIONS: | | | | | | | | |
| C-95. | Min. 2,500 psi structural concrete | (Optional) Min. 0.5-inch InsulBase, SecurShield or min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2.0-inch InsulBase RL | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex FleeceBACK RL | | -142.5 |

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

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

| System No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | | MDP (psf) |
|--|------------------------------------|---|--|--|--|--------------------------------------|---|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Top Ply | |
| FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND): | | | | | | | | |
| C-96. | Min. 2,500 psi structural concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST 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 FAST or Flexible FAST DT (RIBBON) | SureMB 90TG or 120TG / torch-applied | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST 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 | | |
| RhinoBond SYSTEMS: | | | | | | |
| C-97. | Min. 2,500 psi structural concrete | Min. 1-inch thick, one or more layers, any combination. | HD 14-10 Fastener or CD-10 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | 1 per 5.3 ft ² (6 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note A | Sure-Flex PVC or Sure-Flex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -45.0 |
| C-98. | Min. 2,500 psi structural concrete | Min. 1-inch thick, one or more layers, any combination. | HD 14-10 Fastener or CD-10 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | 1 per 4.0 ft ² (8 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note A | Sure-Flex PVC or Sure-Flex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -60.0 |
| C-99. | Min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination. | HD 14-10 Fastener or CD-10 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | 1 per 4.0 ft ² (8 parts per 4 x 8 ft board) 2 x 2 ft grid pattern | Sure-Flex PVC or Sure-Flex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -67.5 |
| C-100. | Min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached | HD 14-10 Fastener or CD-10 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | Max. 12-inch o.c. in rows max. 120-inch o.c. | Sure-Flex PVC or Sure-Flex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -30.0 |
| C-101. | Min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached | HD 14-10 Fastener or CD-10 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | Max. 18-inch o.c. in rows max. 60-inch o.c. | Sure-Flex PVC or Sure-Flex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -37.5 |
| C-102. | Min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached | HD 14-10 Fastener or CD-10 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | Max. 12-inch o.c. in rows max. 60-inch o.c. | Sure-Flex PVC or Sure-Flex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -52.5 |
| C-103. | Min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached | HD 14-10 Fastener or CD-10 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | Max. 6-inch o.c. in rows max. 120-inch o.c. | Sure-Flex PVC or Sure-Flex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -60.0 |
| C-104. | Min. 2,500 psi structural concrete | Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached | HD 14-10 Fastener or CD-10 with RhinoBond Plate-PVC or RhinoBond Treadsafe Plate-PVC | Max. 6-inch o.c. in rows max. 60-inch o.c. | Sure-Flex PVC or Sure-Flex 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-105. | 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 | Sure-Flex PVC or Sure-Flex KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions | -37.5 |
| C-106. | 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. | Sure-Flex PVC or Sure-Flex 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-107. | Min. 2,500 psi structural concrete | One or more layers, any combination, min. 1.5-inch | Dekfast DF-#14-PH3 or DF-#15-PH3 with 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 | Sure-Flex PVC or Sure-Flex KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions | -52.5 |
| C-108. | 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 | Sure-Flex PVC or Sure-Flex KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions | -82.5 |
| C-109. | 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. | Sure-Flex PVC or Sure-Flex 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-110. | Min. 2,500 psi structural concrete | None | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST 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-111. | Min. 2,500 psi structural concrete | VapAir Seal 725TR or SureMB 90TG or 120TG/torch-applied in accordance with Carlisle 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 | Sure-Flex PVC or Sure-Flex KEE HP | VacuSeal Vent installed in accordance with Carlisle 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 InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layer(s) of base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -52.5 |
| LWC-2 | Min. 22 ga., Type BV, Grade 40 steel | Min. 300 psi, pre-existent cellular lightweight insulating concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 2-inch SecurShield HD Composite or min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -52.5 |
| LWC-3 | Min. 22 ga., Type BV, Grade 40 steel | Min. 300 psi, pre-existent cellular lightweight insulating concrete | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | (Optional) Additional layer(s) of base insulation | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -75.0 |
| LWC-4 | Min. 22 ga., Type BV, Grade 40 steel | Min. 300 psi, pre-existent cellular lightweight insulating concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 2-inch SecurShield HD Composite or min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -75.0 |
| LWC-5 | Min. 2,500 psi structural concrete | Min. 300 psi, pre-existent cellular lightweight insulating concrete | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layer(s) of base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -187.5 |
| LWC-6 | Min. 2,500 psi structural concrete | Min. 300 psi, pre-existent cellular lightweight insulating concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 2-inch SecurShield HD Composite or min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -187.5 |

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

| System No. | Deck (Note 1) | Lightweight Concrete (Note 14) | Base Insulation Layer | | Top Insulation Layer(s) | | Roof Cover (Note 15) | MDP (psf)* |
|------------|--------------------------------------|---|---|---|---|---|--|-------------------------------|
| | | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | | |
| LWC-7 | Min. 2,500 psi structural concrete | Min. 300 psi, pre-existent cellular lightweight insulating concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -187.5 |
| LWC-8 | Min. 2,500 psi structural concrete | Min. 300 psi, pre-existent cellular lightweight insulating concrete | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | (Optional) Additional layer(s) of base insulation | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -350.0 |
| LWC-9 | Min. 2,500 psi structural concrete | Min. 300 psi, pre-existent cellular lightweight insulating concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 2-inch SecurShield HD Composite or min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -350.0 |
| LWC-10 | Min. 2,500 psi structural concrete | Min. 300 psi, pre-existent cellular lightweight insulating concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST 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 FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -350.0 |
| LWC-11 | Min. 22 ga., Type BV, Grade 40 steel | Min. 300 psi, pre-existent cellular lightweight insulating concrete | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layer(s) of base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS / HydroBond WB | -52.5 |
| LWC-12 | Min. 22 ga., Type BV, Grade 40 steel | Min. 300 psi, pre-existent cellular lightweight insulating concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 2-inch SecurShield HD Composite or min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS / HydroBond WB | -52.5 |
| LWC-13 | Min. 22 ga., Type BV, Grade 40 steel | Min. 300 psi, pre-existent cellular lightweight insulating concrete | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | (Optional) Additional layer(s) of base insulation | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC or Sure-Flex PVC FRS / 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-14 | Min. 22 ga., Type BV, Grade 40 steel | Min. 300 psi, pre-existent cellular lightweight insulating concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 2-inch SecurShield HD Composite or min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC or Sure-Flex PVC FRS / HydroBond WB | -75.0 |
| LWC-15 | Min. 2,500 psi structural concrete | Min. 300 psi, pre-existent cellular lightweight insulating concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS / 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 InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC or Sure-Flex PVC FRS / HydroBond WB | -350.0 |
| LWC-17 | Min. 22 ga., Type BV, Grade 40 steel | Min. 300 psi, pre-existent cellular lightweight insulating concrete | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layer(s) of base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex 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 InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 2-inch SecurShield HD Composite or min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex 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 InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | (Optional) Additional layer(s) of base insulation | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP / Low VOC PVC BA | -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-20 | Min. 22 ga., Type BV, Grade 40 steel | Min. 300 psi, pre-existent cellular lightweight insulating concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 2-inch SecurShield HD Composite or min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex 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 InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layer(s) of base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP / Low VOC PVC BA | -187.5 |
| LWC-22 | Min. 2,500 psi structural concrete | Min. 300 psi, pre-existent cellular lightweight insulating concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 2-inch SecurShield HD Composite or min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex 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 InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex 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 | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | (Optional) Additional layer(s) of base insulation | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC or Sure-Flex PVC FRS / Low VOC PVC BA | -350.0 |
| LWC-25 | Min. 2,500 psi structural concrete | Min. 300 psi, pre-existent cellular lightweight insulating concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 2-inch SecurShield HD Composite or min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP / Low VOC PVC BA | -350.0 |
| LWC-26 | Min. 2,500 psi structural concrete | Min. 300 psi, pre-existent cellular lightweight insulating concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST 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 FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex KEE HP / Low VOC PVC BA | -350.0 |

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

| System No. | Deck (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) | | |
| FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND): | | | | | | | | |
| LWC-27 | Min. 22 ga., Type BV, Grade 40 steel | Min. 300 psi, pre-existent cellular lightweight insulating concrete | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layer(s) of base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -52.5 |
| LWC-28 | Min. 22 ga., Type BV, Grade 40 steel | Min. 300 psi, pre-existent cellular lightweight insulating concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 2-inch SecurShield HD Composite or min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -52.5 |
| LWC-29 | Min. 22 ga., Type BV, Grade 40 steel | Min. 300 psi, pre-existent cellular lightweight insulating concrete | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | (Optional) Additional layer(s) of base insulation | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -75.0 |
| LWC-30 | Min. 22 ga., Type BV, Grade 40 steel | Min. 300 psi, pre-existent cellular lightweight insulating concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 2-inch SecurShield HD Composite or min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -75.0 |
| LWC-31 | Min. 2,500 psi structural concrete | Min. 300 psi, pre-existent cellular lightweight insulating concrete | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layer(s) of base insulation | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -187.5 |
| LWC-32 | Min. 2,500 psi structural concrete | Min. 300 psi, pre-existent cellular lightweight insulating concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 2-inch SecurShield HD Composite or min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST 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-33 | Min. 2,500 psi structural concrete | Min. 300 psi, pre-existent cellular lightweight insulating concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -187.5 |
| LWC-34 | Min. 2,500 psi structural concrete | Min. 300 psi, pre-existent cellular lightweight insulating concrete | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | (Optional) Additional layer(s) of base insulation | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -350.0 |
| LWC-35 | Min. 2,500 psi structural concrete | Min. 300 psi, pre-existent cellular lightweight insulating concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 2-inch SecurShield HD Composite or min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -350.0 |
| LWC-36 | Min. 2,500 psi structural concrete | Min. 300 psi, pre-existent cellular lightweight insulating concrete | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST 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 FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -350.0 |

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

| System No. | Deck (Note 1) | Lightweight Concrete (Note 14) | | Supplemental Attachment | | Roof Cover (Note 15) | | MDP (psf) |
|---|--|--|---------------------------|-------------------------|---------------------------|--------------------------------------|----------------|---------------------------|
| | | Type | Treatment | Fastener | Density | Type | Attach | |
| BAREBACK APPLICATIONS: | | | | | | | | |
| LWC-37 | Min. 24 ga., Type 1.0FDV Grade 80 steel; 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 | Sure-Flex PVC | Low VOC PVC BA | -37.5 |
| LWC-38 | Min. 22 ga., Type BV, Grade 33 steel, 6 ft span, 1/2" puddle welds with weld-washers, 6" 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 | Sure-Flex PVC | Low VOC PVC BA | -60.0 |
| LWC-39 | Min. 22 ga., Type BV, Grade 33 steel, 6 ft span, 1/2" puddle welds with weld-washers, 6" 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 | Sure-Flex PVC | Low VOC PVC BA | -67.5 |
| LWC-40 | 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 | Sure-Flex PVC | Low VOC PVC BA | -82.5 |
| LWC-41 | Min. 22 ga., Type BV, Grade 33 steel, 6 ft span, 1/2" puddle welds with weld-washers, 6" 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 | Sure-Flex PVC | Low VOC PVC BA | -90.0 |
| LWC-42 | 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 | Sure-Flex KEE HP | Low VOC PVC BA | -97.5 |
| LWC-43 | Min. 20 ga., Type BV, Grade 33 steel; max. 6-ft 3-inch span; 5/8" puddle welds or #12 HWH Tekes, 6" 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 | Sure-Flex KEE HP | Low VOC PVC BA | -52.5 |
| LWC-44 | Min. 22 ga., Type BV, Grade 33 steel; max. 6-ft span; 5/8" puddle welds or #12 HWH Tekes, 6" 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 | Sure-Flex KEE HP | Low VOC PVC BA | -82.5 |
| LWC-45 | Min. 22 ga., Type BV, Grade 33 steel; 5-ft span; 5/8" puddle welds or #12 HWH Tekes, 6" 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 | Sure-Flex KEE HP | Low VOC PVC BA | -97.5 |
| LWC-46 | Min. 22 ga., Type BV, Grade 33 steel; 5-ft span; 5/8" puddle welds or #12 HWH Tekes, 6" 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 | Sure-Flex KEE HP | Low VOC PVC BA | -112.5 |
| FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND): | | | | | | | | |

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

| System No. | Deck (Note 1) | Lightweight Concrete (Note 14) | | Supplemental Attachment | | Roof Cover (Note 15) | | MDP (psf) |
|--|--|--|---|-------------------------|---------------------------|--|--|---------------------------|
| | | Type | Treatment | Fastener | Density | Type | Attach | |
| LWC-47 | 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 | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.) | -37.5 |
| LWC-48 | 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 | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | -82.5 |
| FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND): | | | | | | | | |
| LWC-49 | Min. 22 ga., Type BV, Grade 33 steel, 6 ft span, 1/2" puddle welds with weld-washers, 6" 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 | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -60.0 |
| LWC-50 | Min. 22 ga., Type BV, Grade 33 steel, 6 ft span, 1/2" puddle welds with weld-washers, 6" 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 | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -67.5 |
| LWC-51 | Min. 22 ga., Type BV, Grade 33 steel; 4 ft span; puddle welds with 3/8-inch weld-washers, 6" 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 | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -67.5 |
| LWC-52 | Min. 22 ga., Type BV, Grade 33 steel, 6 ft span, 1/2" puddle welds with weld-washers, 6" 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 | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -120.0 |
| LWC-53 | Min. 22 ga., Type BV, Grade 80 steel; 5-ft span; 5/8" puddle welds with weld-washers, 6" 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 | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | FAST (FULL) | -97.5 |
| LWC-54 | Min. 22 ga., Type BV, Grade 80 steel; max. 6-ft span; 5/8" puddle welds, 6" o.c. | CONCRECEL (FL5584 & FL10500): Min. 350 psi, min. 2-inch thick, Concrecel Lightweight Insulating Concrete (No EPS board) | None | None | N/A | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | FAST (FULL) | -105.0 |

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

| System No. | Deck (Note 1) | Lightweight Concrete (Note 14) | | Supplemental Attachment | | Roof Cover (Note 15) | | MDP (psf) |
|------------|--|---|-----------|-------------------------|---------|--|----------------------|---------------------------|
| | | Type | Treatment | Fastener | Density | Type | Attach | |
| LWC-55 | Min. 22 ga., Type BV, Grade 80 steel; max. 6-ft span; 5/8" puddle welds with weld-washers, 6" 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 | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | FAST (FULL) | -135.0 |
| LWC-56 | Min. 20 ga., Type BV, Grade 33 steel; max. 6-ft 3-inch span; 5/8" puddle welds or #12 HWH Tekes, 6" 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 | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST (FULL) | -52.5 |
| LWC-57 | Min. 22 ga., Type BV, Grade 33 steel; max. 6-ft span; 5/8" puddle welds or #12 HWH Tekes, 6" 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 | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST (FULL) | -82.5 |
| LWC-58 | Min. 22 ga., Type BV, Grade 33 steel; 5-ft span; 5/8" puddle welds or #12 HWH Tekes, 6" 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 | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST (FULL) | -97.5 |
| LWC-59 | Min. 22 ga., Type BV, Grade 33 steel; 5-ft span; 5/8" puddle welds or #12 HWH Tekes, 6" 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 | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST (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 C109 (for existing) and shall yield a minimum 200 psi result. Field withdrawal resistance testing in accordance with Note 11 shall yield an average withdrawal performance not less than 55 lbf with a Trufast FM-90 Base Sheet Fastener. If question exists as to the adhesion to the LWC surface, field testing in accordance with Note 12 is recommended. All testing shall be performed by an accredited testing agency acceptable to the Authority Having Jurisdiction.</i> | | | | | | | |

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

| System No. | Deck (Note 1) | Lightweight Concrete (Note 14) | Roof Cover (Note 15) | | MDP (psf) |
|--|---|--|--|---|-----------|
| | | | Membrane | Application | |
| BAREBACK APPLICATIONS: | | | | | |
| LWC-60 | 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. | Sure-Flex PVC | Low VOC PVC BA | -90.0 |
| LWC-61 | Min. 2,500 psi structural concrete | CONCRECEL (FL5584 & FL10500): Min. 350 psi, min. 2.5-inch thick, Concrecel Lightweight Insulating Concrete (EPS board optional) | Sure-Flex KEE HP | Low VOC PVC BA | -330.0 |
| LWC-62 | 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 . | Sure-Flex KEE HP | Low VOC PVC BA | -330.0 |
| FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND): | | | | | |
| 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. | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -232.5 |
| LWC-64 | Min. 2,500 psi structural concrete | CONCRECEL (FL5584 & FL10500): Min. 350 psi, min. 2-inch thick, Concrecel Lightweight Insulating Concrete (EPS board optional) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | FAST (FULL) | -282.5 |
| LWC-65 | 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) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST (FULL) | -240.0 |
| LWC-66 | 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) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST (FULL) | -250.0 |
| LWC-67 | 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 . | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | FAST (FULL) | -282.5 |
| LWC-68 | 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 . | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST 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 C109 (for existing) and shall yield a minimum 200 psi result. Field withdrawal resistance testing in accordance with Note 11 shall yield an average withdrawal performance not less than 55 lbf with a Trufast FM-90 Base Sheet Fastener. If question exists as to the adhesion to the LWC surface, field testing in accordance with Note 12 is recommended. All testing shall be performed by an accredited testing agency acceptable to the Authority Having Jurisdiction. | | | | |

TABLE 5A: 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: | | | | | | | | |
| CBF-1 | Min. 2-inch Tectum Plank | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST 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 EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | CAV-GRIP PVC Adhesive | -82.5 |
| CBF-2 | Min. 2-inch Tectum Plank | Min. 1.5-inch InsulBase, SecurShield and/or min. 2-inch SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | CAV-GRIP PVC Adhesive | -82.5 |
| CBF-3 | Min. 2-inch Tectum Plank | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST 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 EcoStorm VSH or Min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond B-A | -82.5 |
| CBF-4 | Min. 2-inch Tectum Plank | Min. 1.5-inch InsulBase, SecurShield and/or min. 2-inch SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond B-A | -82.5 |
| CBF-5 | Min. 2-inch Tectum Plank | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST 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 EcoStorm VSH or Min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -82.5 |
| CBF-6 | Min. 2-inch Tectum Plank | Min. 1.5-inch InsulBase, SecurShield and/or min. 2-inch SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -82.5 |
| CBF-7 | Min. 2-inch Tectum Plank | Min. 1-inch InsulBase or SecurShield | Flexible FAST (FULL) or Flexible FAST DT (FULL) | (Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 1.5-inch SecurShield HD Composite | Flexible FAST (FULL) or Flexible FAST DT (FULL) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC BA | -277.5 |

TABLE 5A: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

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

| System No. | Deck (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-8 | Min. 2-inch Tectum Plank | Min. 1-inch InsulBase or SecurShield | Flexible FAST (FULL) or Flexible FAST DT (FULL) | (Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 1.5-inch SecurShield HD Composite | Flexible FAST (FULL) or Flexible FAST DT (FULL) | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -277.5 |
| CFW-9 | Min. 2-inch Tectum Plank | Min. 1-inch InsulBase or SecurShield | Flexible FAST (FULL) or Flexible FAST DT (FULL) | (Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 1.5-inch SecurShield HD Composite | Flexible FAST (FULL) or Flexible FAST DT (FULL) | Sure-Flex PVC or Sure-Flex PVC FRS | CAV-GRIP PVC Adhesive | -277.5 |
| CFW-10 | Min. 2-inch Tectum Plank | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 1.5-inch SecurShield HD Composite | Flexible FAST (FULL) or Flexible FAST DT (FULL) | None | N/A | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC BA | -277.5 |
| CFW-11 | Min. 2-inch Tectum Plank | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 1.5-inch SecurShield HD Composite | Flexible FAST (FULL) or Flexible FAST DT (FULL) | None | N/A | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -277.5 |
| CFW-12 | Min. 2-inch Tectum Plank | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 1.5-inch SecurShield HD Composite | Flexible FAST (FULL) or Flexible FAST DT (FULL) | None | N/A | Sure-Flex PVC or Sure-Flex PVC FRS | CAV-GRIP PVC Adhesive | -277.5 |
| FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND): | | | | | | | | |
| CFW-13 | Min. 2-inch Tectum Plank | (Optional) Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or Min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -82.5 |

TABLE 5A: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

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

| System No. | Deck (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-14 | Min. 2-inch Tectum Plank | Min. 1.5-inch InsulBase, SecurShield and/or min. 2-inch SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -82.5 |
| CWF-15 | Min. 2-inch Tectum Plank | Min. 1-inch InsulBase or SecurShield | Flexible FAST (FULL) or Flexible FAST DT (FULL) | (Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 1.5-inch SecurShield HD Composite | Flexible FAST (FULL) or Flexible FAST DT (FULL) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -277.5 |
| CWF-16 | Min. 2-inch Tectum Plank | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 1.5-inch SecurShield HD Composite | Flexible FAST (FULL) or Flexible FAST DT (FULL) | None | N/A | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -277.5 |

TABLE 5B: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

| System No. | Deck (Note 1) | 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: | | | | | | | | | | |
| CWF-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 InsulBase, SecurShield and/or min. 2-inch SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBONS, ~10.5-inch o.c., atop anchor sheet fastener rows) | (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 EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS / CAV-GRIP PVC Adhesive | -30.0 |
| CWF-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 InsulBase, SecurShield and/or min. 2-inch SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBONS, ~10.5-inch o.c., atop anchor sheet fastener rows) | (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 EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS / HydroBond B-A | -30.0 |

**TABLE 5B: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER**

| System No. | Deck (Note 1) | 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) | | |
| CWF-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 InsulBase, SecurShield and/or min. 2-inch SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBONS, ~10.5-inch o.c., atop anchor sheet fastener rows) | (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 EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP / Low VOC PVC BA | -30.0 |
| FLEECEBACK APPLICATIONS (FULL BOND): | | | | | | | | | | |
| CWF-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 InsulBase, SecurShield and/or min. 2-inch SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBONS, ~10.5-inch o.c., atop anchor sheet fastener rows) | (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 EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -30.0 |

**TABLE 5c: CEMENTITIOUS WOOD FIBER 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 | |
| CWF-21 | Min. 2-inch Tectum Plank | None | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST (RIBBONS 12-inch o.c.) or Flexible FAST DT (RIBBONS 12-inch o.c.) | -105.0 |
| CWF-22 | Min. 2-inch Tectum Plank | None | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST (FULL) or Flexible FAST DT (FULL) | -601.5 |

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

| 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 InsulBase, SecurShield and/or min. 2-inch SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | CAV-GRIP PVC Adhesive | -237.5 |
| G-2. | Existing gypsum deck | 0.5-inch EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | None | N/A | Sure-Flex PVC or Sure-Flex PVC FRS | CAV-GRIP PVC Adhesive | -352.5 |
| G-3. | Existing gypsum deck | Min. 0.5-inch SecurShield HD, SecurShield HD Plus, H- Shield HD | Flexible FAST or Flexible FAST DT (RIBBON) | None | N/A | Sure-Flex PVC or Sure-Flex PVC FRS | CAV-GRIP PVC Adhesive | -397.5 |
| G-4. | Existing gypsum deck | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Flexible FAST or Flexible FAST DT (RIBBON) | None | N/A | Sure-Flex PVC or Sure-Flex PVC FRS | CAV-GRIP PVC Adhesive | -495.0 |
| G-5. | Existing gypsum deck | (Optional) Min. 1-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -157.5 |
| G-6. | Existing gypsum deck | Min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | None | N/A | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -180.0 |
| G-7. | Existing gypsum deck | Min. 1-inch InsulBase, SecurShield and/or min. 2-inch SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -237.5 |
| G-8. | Existing gypsum deck | 0.5-inch EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | None | N/A | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -352.5 |
| G-9. | Existing gypsum deck | Min. 0.5-inch SecurShield HD, SecurShield HD Plus, H- Shield HD | Flexible FAST or Flexible FAST DT (RIBBON) | None | N/A | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -397.5 |

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

| 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. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Flexible FAST or Flexible FAST DT (RIBBON) | None | N/A | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -495.0 |
| G-11. | Existing gypsum deck | (Optional) Min. 1-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -157.5 |
| G-12. | Existing gypsum deck | Min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | None | N/A | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -180.0 |
| G-13. | Existing gypsum deck | Min. 1-inch InsulBase, SecurShield and/or min. 2-inch SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -237.5 |
| G-14. | Existing gypsum deck | 0.5-inch EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | None | N/A | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -352.5 |
| G-15. | Existing gypsum deck | Min. 0.5-inch SecurShield HD, SecurShield HD Plus, H- Shield HD | Flexible FAST or Flexible FAST DT (RIBBON) | None | N/A | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -397.5 |
| G-16. | Existing gypsum deck | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Flexible FAST or Flexible FAST DT (RIBBON) | None | N/A | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -495.0 |
| FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND): | | | | | | | | |
| G-17. | Existing gypsum deck | Min. 1-inch InsulBase, SecurShield and/or min. 2-inch SecurShield HD Composite | Flexible FAST or Flexible FAST 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 FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | FAST DT, Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.) | -45.0 |
| G-18. | 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 FAST or Flexible FAST DT (RIBBON) | None | N/A | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | FAST DT, Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.) | -45.0 |

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

| 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 | |
| FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND): | | | | | | | | |
| G-19. | Existing gypsum deck | (Optional) Min. 1-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -157.5 |
| G-20. | Existing gypsum deck | Min. 2-inch StormBase | Flexible FAST or Flexible FAST DT (RIBBON) | None | N/A | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -187.5 |
| G-21. | Existing gypsum deck | Min. 1-inch InsulBase, SecurShield and/or min. 2-inch SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBON) | (Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -237.5 |
| G-22. | Existing gypsum deck | (Optional) Min. 1-inch Insulfoam IX, XIV or XV | Flexible FAST (FULL) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch Insulfoam SP | Flexible FAST (FULL) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST (FULL) | -295.0 |
| G-23. | Existing gypsum deck | 0.5-inch EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | None | N/A | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -352.5 |
| G-24. | Existing gypsum deck | Min. 0.5-inch SecurShield HD, SecurShield HD Plus, H- Shield HD | Flexible FAST or Flexible FAST DT (RIBBON) | None | N/A | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -397.5 |

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

| 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-25. | Existing gypsum deck | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Flexible FAST or Flexible FAST DT (RIBBON) | None | N/A | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -495.0 |

**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-26. | Existing gypsum deck | None | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST 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 InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch StormBase or SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | CAV-GRIP PVC Adhesive | -145.0 |
| R-2. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 1-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch StormBase or SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | CAV-GRIP PVC Adhesive | -145.0 |
| R-3. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 2-inch StormBase or SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | None | N/A | Sure-Flex PVC or Sure-Flex PVC FRS | CAV-GRIP PVC Adhesive | -145.0 |
| R-4. | Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen | Min. 1-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | CAV-GRIP PVC Adhesive | -167.0 |
| R-5. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 1-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | 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. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | None | N/A | Sure-Flex PVC or Sure-Flex PVC FRS | CAV-GRIP PVC Adhesive | -302.5 |
| R-7. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | None | N/A | Sure-Flex PVC or Sure-Flex PVC FRS | CAV-GRIP PVC Adhesive | -302.5 |
| R-8. | Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen | Min. 1-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime or min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -167.0 |
| R-9. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 1-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime or min. 0.5-inch SecurShield HD, SecurShield HD Plus | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -167.0 |
| R-10. | Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen | Min. 0.25-inch DensDeck Prime or min. SecurShield HD, SecurShield HD Plus | Flexible FAST or Flexible FAST DT (RIBBON) | None | N/A | Sure-Flex PVC or Sure-Flex PVC FRS | HydroBond WB | -302.5 |
| R-11. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 0.25-inch DensDeck Prime or min. SecurShield HD, SecurShield HD Plus | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | None | N/A | Sure-Flex PVC or Sure-Flex PVC FRS | 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 InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch StormBase or SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex 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 InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch StormBase or SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -145.0 |
| R-14. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 2-inch StormBase or SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | None | N/A | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex 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 InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex 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 InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -167.0 |
| R-17. | Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | None | N/A | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -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-18. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | None | N/A | Sure-Flex PVC, Sure-Flex PVC FRS or Sure-Flex KEE HP | Low VOC PVC BA | -302.5 |
| FLEECEBACK MEMBRANE 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 InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST 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 InsulBase, SecurShield | Flexible FAST or Flexible FAST 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 FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.) | -37.5 |
| R-21. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 0.25-inch DensDeck Prime | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | None | N/A | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.) | -37.5 |
| FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND): | | | | | | | | |
| R-22. | Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen | (Optional) Min. 1-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch StormBase or SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -145.0 |

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-23. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 1-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch StormBase or SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -145.0 |
| R-24. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 2-inch StormBase or SecurShield HD Composite | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | None | N/A | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST 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 InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -167.0 |
| R-26. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 1-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | Insulation: (Optional) Additional layer(s) base insulation Coverboard: (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -167.0 |
| R-27. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | None | N/A | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -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-28. | Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON) | None | N/A | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -302.5 |
| R-29. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | None | N/A | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB | -302.5 |
| SURE-FLEX FLEECEBACK RL APPLICATIONS: | | | | | | | | |
| R-30. | Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen | (Optional) Min. 1-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2.0-inch InsulBase RL | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex FleeceBACK RL | | -142.5 |
| R-31. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 1-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | <u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2.0-inch InsulBase RL | Flexible FAST or Flexible FAST DT (RIBBON) | Sure-Flex FleeceBACK RL | | -142.5 |
| R-32. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 2.0-inch InsulBase RL | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | None | N/A | Sure-Flex FleeceBACK RL | | -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 | |
| FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND): | | | | | | | | |
| R-33. | 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 InsulBase, SecurShield | Flexible FAST or Flexible FAST 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 FAST or Flexible FAST DT (RIBBON) | SureMB 90TG or 120TG / torch-applied | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -165.0 |
| R-34. | Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed) | Min. 1.5-inch InsulBase, SecurShield | Flexible FAST or Flexible FAST 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 FAST or Flexible FAST DT (RIBBON) | SureMB 90TG or 120TG / torch-applied | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) | -165.0 |
| R-35. | 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 FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | <u>None</u> | N/A | SureMB 90TG or 120TG / torch-applied | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK / Flexible FAST or Flexible FAST 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 | | |
| RHINO BOND SYSTEMS: | | | | | | |
| R-36. | Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 120-inch o.c. | One or more layers, any combination, preliminarily fastened | HP Purlin Fastener or RetroDriller Fastener with RhinoBond Plate-PVC are fastened through to purlins | Max. 12-inch o.c. along purlins | Sure-Flex PVC or Sure-Flex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -30.0 |
| R-37. | Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 60-inch o.c. | One or more layers, any combination, preliminarily fastened | HP Purlin Fastener or RetroDriller Fastener with RhinoBond Plate-PVC are fastened through to purlins | Max. 18-inch o.c. along purlins | Sure-Flex PVC or Sure-Flex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -37.5 |
| R-38. | Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 60-inch o.c. | One or more layers, any combination, preliminarily fastened | HP Purlin Fastener or RetroDriller Fastener with RhinoBond Plate-PVC are fastened through to purlins | Max. 12-inch o.c. along purlins | Sure-Flex PVC or Sure-Flex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -52.5 |
| R-39. | Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 120-inch o.c. | One or more layers, any combination, preliminarily fastened | HP Purlin Fastener or RetroDriller Fastener with RhinoBond Plate-PVC are fastened through to purlins | Max. 6-inch o.c. along purlins | Sure-Flex PVC or Sure-Flex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -60.0 |
| R-40. | Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 60-inch o.c. | One or more layers, any combination, preliminarily fastened | HP Purlin Fastener or RetroDriller Fastener with RhinoBond Plate-PVC are fastened through to purlins | Max. 6-inch o.c. along purlins | Sure-Flex PVC or Sure-Flex KEE HP induction welded with RhinoBond tool per manufacturer's instructions | -90.0 |
| ISOWELD INDUCTION WELDING SYSTEM: | | | | | | |
| R-41. | 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 | Sure-Flex PVC or Sure-Flex KEE HP induction welded with SFS isoweld 3000 tool per manufacturer's instructions | -45.0 |
| R-42. | 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 | Sure-Flex PVC or Sure-Flex 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-43. | Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 75.5-inch o.c. | One or more layers, any combination | prelim. attach | Sure-Flex PVC | HP Purlin Fastener with Piranha 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-44. | 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 | Sure-Flex PVC | HP Purlin Fastener with Piranha 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-45. | 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 | Sure-Flex PVC or Sure-Flex KEE HP | HP Purlin Fastener with Piranha 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-46. | 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 | Sure-Flex PVC or Sure-Flex KEE HP | HP Purlin Fastener with Piranha 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-47. | 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 | Sure-Flex PVC | HP Purlin Fastener with Piranha 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-48. | Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 35-inch o.c. | One or more layers, any combination | prelim. attach | Sure-Flex PVC | HP Purlin Fastener with Piranha 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-49. | 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 | Sure-Flex PVC or Sure-Flex KEE HP | HP Purlin Fastener with Piranha 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-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 | Min. 60-mil Sure-Flex PVC or KEE HP | HP Purlin Fastener with Piranha 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-51. | 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 | Sure-Flex PVC or Sure-Flex KEE HP | HP Purlin Fastener with Piranha 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 | |
| FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND): | | | | |
| R-52. | Existing, fully-adhered EPDM | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (RIBBON, 12) | -30.0 |
| R-53. | Existing, fully-adhered EPDM | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (RIBBON, 6) | -75.0 |
| R-54. | Existing fully adhered, granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.) | -177.0 |
| FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND): | | | | |
| R-55. | 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 | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST (FULL) | -177.0 |
| R-56. | Existing, fully-adhered EPDM | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST or Flexible FAST DT (FULL) | -315.0 |
| R-57. | 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 | Sure-Flex PVC FleeceBACK, Sure-Flex PVC FRS FleeceBACK, Sure-Flex KEE HP FleeceBACK or Sure-Flex KEE HP FRS FleeceBACK | Flexible FAST DT (FULL) | -635.0 |

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 L15MXR | $t \geq 0.25$ |
| X-EDN19 THQ12 or X-EDN19 THQ12M | $0.25 \leq t \leq 0.375$ |
| X-EDNK22 THQ12 or X-EDNK22 THQ12M | $t = 0.25$ |
| X-HSN 24 | $0.125 \leq t \leq 0.375$ |
| S-MD 12-24 x 1-5/8 M HWH5 | $0.125 < t \leq 0.25$ |

TABLE 8B: HILTI PART / TYPE B STEEL DECK ATTACHMENT-SPAN 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 L15MXR 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 |
| | 6 | -165.0* | 35 | 65 | 44 | 72 | 60 | 71 |
| | 6 | -172.5* | 34 | 62 | 42 | 72 | 57 | 68 |
| | 6 | -180.0* | 33 | 60 | 40 | 72 | 55 | 65 |
| | 6 | -187.5* | 31 | 57 | 39 | 71 | 53 | 62 |
| 6 | -195.0* | 30 | 55 | 37 | 68 | 51 | 60 | |
| 6 | -202.5* | 29 | 53 | 36 | 66 | 49 | 58 | |
| 6 | -210.0* | 28 | 51 | 36 | 63 | 47 | 56 | |
| 6 | -217.5* | 27 | 50 | 33 | 61 | 46 | 54 | |
| 6 | -225.0* | 26 | 48 | 32 | 59 | 44 | 52 | |

*Limited to fully or partially adhered roof coverings.

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.