

APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE

| TABLE | DECK | APPLICATION | TYPE | DESCRIPTION | PAGE |
|--------------------|--------------------------------|---------------------------------|------|---|------|
| 1A | Wood | New, Reroof (Tear-Off), Recover | B-1 | Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover | 7 |
| 1B | Wood | New, Reroof (Tear-Off) | B-3 | Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover | 7 |
| 1C | Wood | New, Reroof (Tear-Off), Recover | B-3 | Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover | 10 |
| 1D | Wood | New, Reroof (Tear-Off), Recover | C-1 | Mechanically Attached Insulation, Bonded Roof Cover | 13 |
| 1E | Wood | New, Reroof (Tear-Off), Recover | D-2 | Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover | 15 |
| 1F | Wood | New, Reroof (Tear-Off) | E-2 | Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover | 16 |
| 1G | Wood | New, Reroof (Tear-Off), Recover | E-2 | Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover | 17 |
| 2A | Steel | New, Reroof (Tear-Off) | A-1 | Bonded Insulation, Bonded Roof Cover | 19 |
| 2B | Steel or Structural concrete | New, Reroof (Tear-Off), Recover | B-1 | Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover | 19 |
| 2C | Steel | New, Reroof (Tear-Off), Recover | B-2 | Mechanically Attached Thermal Barrier, Bonded Vapor Barrier, Bonded Insulation, Bonded Roof Cover | 30 |
| 2D | Steel or Structural concrete | New, Reroof (Tear-Off), Recover | C-1 | Mechanically Attached Insulation, Bonded Roof Cover | 36 |
| 2E | Steel or Structural concrete | New, Reroof (Tear-Off), Recover | C-1 | Thermal Barrier with Vapor Barrier, Mechanically Attached Insulation, Bonded Roof Cover | 44 |
| 2F | Steel or Structural concrete | New, Reroof (Tear-Off), Recover | C-3 | Bonded and Mechanically Attached Insulation, Bonded Roof Cover | 44 |
| 2G | Steel or Structural concrete | New, Reroof (Tear-Off), Recover | D-2 | Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover | 45 |
| 3A | Structural concrete | New, Reroof (Tear-Off) | A-1 | Bonded Insulation, Bonded Roof Cover (Base Insulation Layer Only) | 49 |
| 3B | Structural concrete | New, Reroof (Tear-Off) | A-1 | Bonded Insulation, Bonded Roof Cover (Base and Top Insulation Layers) | 51 |
| 3C | Structural concrete | New, Reroof (Tear-Off) | F | Non-Insulated, Bonded Roof Cover | 60 |
| 4A | Deck with Lightweight Concrete | New, Reroof (Tear-Off) | A-1 | LWC to Deck, Bonded Insulation, Bonded Roof Cover | 61 |
| 4B | Deck with Lightweight Concrete | New, Reroof (Tear-Off) | B-3 | LWC to Deck, Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover | 61 |
| 4C | Deck with Lightweight Concrete | New, Reroof (Tear-Off) | E-2 | LWC to Deck, Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover | 63 |
| 4D | Deck with Lightweight Concrete | New, Reroof (Tear-Off) | E-2 | Thermal Barrier to Deck, Vapor Barrier, LWC to Vapor Barrier, Mechanically Attached Base Sheet, Bonded Roof Cover | 67 |
| 4E | Deck with Lightweight Concrete | New, Reroof (Tear-Off) | F | LWC to Deck, Non-Insulated, Bonded Roof Cover | 67 |
| 5A | Cementitious wood fiber | New, Reroof (Tear-Off) | A-1 | Bonded Insulation, Bonded Roof Cover | 68 |
| 5B | Cementitious wood fiber | New, Reroof (Tear-Off) | B-3 | Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover | 68 |
| 5C | Cementitious wood fiber | New, Reroof (Tear-Off) | E-2 | Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover | 69 |
| 6A | Existing gypsum | Reroof (Tear-Off) | A-1 | Bonded Insulation, Bonded Roof Cover | 71 |
| 6B | Existing gypsum | Reroof (Tear-Off) | B-3 | Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover | 71 |
| 6C | Existing gypsum | Reroof (Tear-Off) | C-1 | Mechanically Attached Insulation, Bonded Roof Cover | 71 |
| 6D | Existing gypsum | Reroof (Tear-Off) | E-2 | Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover | 72 |
| 7A | Various | Recover | A-1 | Bonded Insulation, Bonded Roof Cover (Base Insulation Layer Only) | 73 |
| 7B | Various | Recover | A-1 | Bonded Insulation, Bonded Roof Cover (Base and Top Insulation Layers) | 82 |

The following notes apply to the systems outlined herein:

- The roof system evaluation herein pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC HVHZ requirements to the satisfaction of the Authority Having Jurisdiction. Deck-attachment details pertain to 'as-tested' conditions under [Testing Application Standard](#) TAS 114, Appendix J.
- Unless otherwise noted, fasteners and stress plates shall be as follows. Fasteners shall be of sufficient length for the following engagements:

| FASTENER/PLATE OPTIONS | | | |
|------------------------|-------|---|--|
| DECK TYPE | BY | PARTS | MINIMUM ENGAGEMENT |
| Wood | GAF | Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #12 DPH Fastener, Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3" Steel Plate or Drill-Tec AccuTrac Flat Plate, Drill-Tec AccuTrac Recessed Plate (insulation only), Drill-Tec 3" Flat Steel Plate or Drill-Tec 3" Recessed Steel Plate; Drill-Tec ASAP 3S; Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate; Drill-Tec 3" ASAP Flat or Drill-Tec 3" ASAP Recessed | Minimum ¼-inch plywood penetration or minimum 1-inch wood plank embedment |
| Steel | GAF | Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #12 DPH Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener, Drill-Tec XHD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3" Steel Plate or Drill-Tec AccuTrac Flat Plate or Drill-Tec AccuTrac Recessed Plate (insulation only), Drill-Tec 3" Flat Steel Plate or Drill-Tec 3" Recessed Steel Plate; Drill-Tec ASAP 3S; Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate; Drill-Tec Extra Heavy Duty ASAP Roofing Fastener – Insulation; ; Drill-Tec 3" ASAP Flat or Drill-Tec 3" ASAP Recessed | Minimum ¼-inch steel penetration and engage the top flute of the steel deck |
| | Note: | Unless otherwise noted, Drill Tec #12 DF Fastener or Drill Tec #14 DF Fastener with Drill Tec 3" DF Steel Insulation Plate may be used in place of Drill-Tec #12 Fastener or Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate when used to secure DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board to steel deck, up to a maximum allowable design pressure (MDP) of -120.0 psf. | |
| | Note: | Unless otherwise noted, Drill Tec #12 DF Fastener or Drill Tec #14 DF Fastener with Drill Tec 3" DF Steel Insulation Plate may be used in place of Drill-Tec #12 Fastener or Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate when used to secure min. 0.5-inch thick Structodek High Density Fiberboard Roof Insulation, EnergyGuard HD Polyiso Insulation or EnergyGuard HD Plus Polyiso Insulation, 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) or min. 1.5-inch EnergyGuard POLYISO INSULATION or EnergyGuard Ultra Polyiso Insulation to steel deck. | |
| Structural Concrete | GAF | Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener or Drill-Tec CD-10 with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3" Steel Plate or Drill-Tec AccuTrac Flat Plate or Drill-Tec AccuTrac Recessed Plate (insulation only), Drill-Tec 3" Flat Steel Plate or Drill-Tec 3" Recessed Steel Plate; Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate or Drill-Tec 3" ASAP Flat (#14 only) | Minimum 1.25-inch embedment. Fastener installed with a pilot hole in accordance with the fastener manufacturer's published installation instructions |
| | Note: | Unless otherwise noted, Drill Tec #14 DF Fastener with Drill Tec 3" DF Steel Insulation Plate may be used in place of Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate when used to secure min. DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board to structural concrete deck, up to a maximum allowable design pressure (MDP) of -120.0 psf. | |
| | Note: | Unless otherwise noted, Drill Tec #14 DF Fastener with Drill Tec 3" DF Steel Insulation Plate may be used in place of Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate when used to secure min. 0.5-inch thick Structodek High Density Fiberboard Roof Insulation, EnergyGuard HD Polyiso Insulation or EnergyGuard HD Plus Polyiso Insulation, 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) or min. 1.5-inch EnergyGuard POLYISO INSULATION or EnergyGuard Ultra Polyiso Insulation to structural concrete deck. | |

- Unless otherwise noted, insulation may be any one layer or combination of FBC Approved (Local or Statewide) board(s) that meet FBC HVHZ 1516 and, for foam plastic, FBC Chapter 26, when installed with the roof cover.

- 4 Minimum 200 psi, minimum 2-inch thick FBC HVHZ Approved lightweight insulating concrete may be substituted for or installed below, rigid insulation board for System Types B-1, C-1, C-2, D-1 or D-2, whereby fasteners are installed through the lightweight insulating concrete to engage the structural deck. The structural deck shall be of equal or greater type, thickness and strength to the steel and structural concrete deck listings. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction. This is a wind uplift resistance allowance and does not purport to address non-wind-uplift-related issues, such as deck venting or moisture levels within the LWIC and the potential effect on overlying components. If mechanical attachment to the structural deck through lightweight insulating concrete is proposed, field withdrawal resistance testing shall be performed to confirm equivalent or determine enhanced fastening patterns and density. All testing and fastening design shall be in compliance with [Testing Application Standard](#) TAS 105 and [Roofing Application Standard](#) RAS 117 and/or RAS 137. Calculations shall be prepared, signed and sealed by a qualified design professional.
- 5 Preliminary insulation attachment: Unless otherwise noted, use FBC HVHZ Approved roofing fasteners and plates minimum four fasteners per 4 x 8 ft board or minimum two fasteners per 4 x 4 ft board.
- 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.
 - If applying hot asphalt to concrete deck, deck shall be primed with ASTM D41 primer.
 - 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.

| INSULATION ADHESIVE REFERENCES | | | | |
|--------------------------------|---------------------------------------|------------------|-----------------|--|
| BY | ADHESIVE | REFERENCE | FBC FILE OR NOA | MINIMUM RATE |
| GAF | GAF LRF Adhesive M | ‘LRF-M’ | N/A | Continuous 0.75 to 1-inch ribbons, 12-inch o.c. |
| | GAF LRF Adhesive M Canister | ‘LRF-M Canister’ | N/A | Continuous 1 to 1.5-inch ribbons, 12-inch o.c. |
| | GAF LRF Adhesive XF | ‘LRF-XF’ | N/A | Continuous 0.75 to 1-inch ribbons, 12-inch o.c. (QA by FM Approvals) |
| H.B. Fuller Company | Millennium One Step Foamable Adhesive | ‘M-OSFA’ | 21-1018.06 | Continuous 0.25 to 0.5-inch wide ribbons, 12-inch o.c. |
| OMG, Inc. | OlyBond 500 Adhesive Fastener | ‘OB500’ | 22-0519.04 | Continuous 0.75-inch wide ribbons, 12-inch o.c. (PaceCart, SpotShot or Canister) |
| Generic, ASTM D312, Type IV | hot asphalt | N/A | N/A | Full coverage at 25-30 lbs/square |

- 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 OR NOA | | |
| LRF-M | EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation | 22-1202.06 | 0.5 | -232.5 |
| LRF-XF | EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation | 22-1202.06 | 0.5 | -292.5 |
| LRF-XF | EnergyGuard RA | 23-0130.03 | 0.5 | -487.5 |
| M-OSFA | Any EnergyGuard polyisocyanurate listed with adhesive herein | various | 0.5 | -157.5 |
| OB500 | EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation | 22-1202.06 | 0.5 | -292.5 |
| OB500 | EnergyGuard RH | 19-1017.09 | 0.5 | -315.0 |
| OB500 | EnergyGuard RN | 18-1126.10 | 0.5 | -315.0 |
| OB500 | EnergyGuard RA | 23-0130.03 | 0.5 | -487.5 |
| Hot asphalt | Any EnergyGuard polyisocyanurate listed with adhesive herein | Various | 0.5 | -240.0 |

- 8 Bonded polyisocyanurate insulation boards shall be maximum 4 x 4 ft.

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

| MEMBRANE / ADHESIVE COMBINATIONS | | | |
|----------------------------------|------------------|--|--|
| REFERENCE | LAYER | MATERIAL | APPLICATION |
| BP-CA | Base Ply: | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet | |
| SBS-CA | Base Ply or Ply: | Ruberoid 20 Smooth, Ruberoid Mop Smooth or Ruberoid Mop Plus Smooth | Matrix 102 SBS Membrane Adhesive at 1.5 gal/sq. |
| | Cap Ply: | Ruberoid 30 Granule FR, Ruberoid EnergyCap 30 Granule FR, Ruberoid Mop Granule FR, Ruberoid Mop Plus Granule FR, Ruberoid EnergyCap Mop Plus Granule FR | |
| SBS-CA1 | Base Ply: | Ruberoid 20 Smooth or Ruberoid Mop Smooth 1.5 | Matrix 101 Premium SBS Membrane Adhesive at 1.5 – 2.0 gal/square |
| | Cap Ply: | Ruberoid Mop Smooth 1.5, Ruberoid 30 Granule FR, Ruberoid EnergyCap 30 Granule FR, Ruberoid Mop Plus Granule FR, Ruberoid EnergyCap Mop Plus Granule FR | |
| BP-AA | Base Ply: | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet | |
| | Ply: | One or more plies GAFGLAS Ply 4, GAFGLAS Ply 4 M, Tri-Ply Ply 4 Ply Sheet, GAFGLAS Flex Ply 6, GAFGLAS FlexPly 6 M | |
| SBS-AA | Base Ply or Ply: | One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth, Ruberoid Mop Smooth 1.5, Ruberoid Mop Plus Smooth | Hot asphalt at 25 lbs/square. |
| | Cap Ply: | Ruberoid 30 Granule, Ruberoid 30 Granule FR, Ruberoid EnergyCap 30 Granule FR, Ruberoid Mop Smooth, Ruberoid Mop Smooth 1.5, Ruberoid Mop Plus Smooth, Ruberoid Mop Granule FR, Ruberoid Mop Granule, Tri-Ply SBS Granule Cap Sheet, Intec Flex PRF, Ruberoid Mop Plus Granule FR, Ruberoid Mop Plus Granule, Ruberoid EnergyCap Mop Plus Granule FR | |
| SBS-TA | Base Ply or Ply: | One or two plies Ruberoid HW 25 Smooth, Ruberoid HW Smooth | Torch-applied |
| | Cap Ply: | Ruberoid HW 25 Smooth, Ruberoid HW Smooth, Ruberoid HW Granule, Ruberoid HW Granule FR, Ruberoid HW Plus Granule, Ruberoid HW Plus Granule FR, Ruberoid EnergyCap HW Plus Granule FR | |

| MEMBRANE / ADHESIVE COMBINATIONS | | | |
|----------------------------------|------------------|--|---------------|
| REFERENCE | LAYER | MATERIAL | APPLICATION |
| APP-TA | Base Ply or Ply: | One or two plies Ruberoid Torch Smooth, Tri-Ply APP Smooth Membrane | Torch-applied |
| | Cap Ply: | Ruberoid Torch Granule, Tri-Ply APP Granule Membrane, Ruberoid Torch Plus Granule FR, Ruberoid EnergyCap Torch Plus Granule FR | |
| SBS-SA | Base Ply or Ply: | Liberty SBS Self-Adhering Base/Ply Sheet | Self-adhering |
| | Cap Ply: | Liberty SBS Self-Adhering Cap Sheet | |

Note: Systems with a smooth-surfaced cap ply shall be surfaced in accordance with GAF requirements, meeting the fire resistance requirements of FBC Section 1516, and in accordance with FBC Section 1519.12.

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

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

| VAPOR BARRIER OPTIONS, STRUCTURAL CONCRETE DECK, ADHERED INSULATION | | | | | |
|---|--|---|--|-------------------------------------|--------------|
| OPTION # | PRIMER | VAPOR BARRIER | | INSULATION ADHESIVE PER TABLE 3A | MDP (PSF) |
| | | TYPE | APPLICATION | | |
| C-VB-1. | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | Ruberoid Torch Granule | Torch-applied | Hot asphalt | -225.0 |
| C-VB-2. | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | BP-AA | Hot asphalt applied | Hot asphalt | -360.0 |
| C-VB-3. | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | One or two plies, GAFGLAS Ply 4, GAFGLAS Ply 4 M, Tri-Ply Ply 4 Ply Sheet, GAFGLAS FlexPly 6 or GAFGLAS FlexPly 6 M or SBS-AA | Hot asphalt applied | Hot asphalt | -495.0 |
| C-VB-4. | None | GAF SA Vapor Retarder XL | Self-adhering | LRF-M, 12-inch o.c. | -112.5 |
| C-VB-5. | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | SBS-TA | Torch-applied | LRF-M, 12-inch o.c. | -180.0 |
| C-VB-6. | GAF SA Primer | GAF SA Vapor Retarder | Self-adhering | LRF-M, 12-inch o.c. | -202.5 |
| C-VB-7. | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | BP-AA or one or two plies GAFGLAS Ply 4, GAFGLAS Ply 4 M, GAFGLAS FlexPly 6 or GAFGLAS Flex Ply 6 M or SBS-AA | Hot asphalt applied | LRF-M, 12-inch o.c. | -495.0 |
| C-VB-8. | None | GAF SA Vapor Retarder XL | Self-adhering | LRF-XF 12-inch o.c. | -112.5 |
| C-VB-9. | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | Ruberoid Torch Granule | Torch-applied | LRF-XF, 12-inch o.c. | -169.0 |
| C-VB-10. | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | SBS-TA | Torch-applied | LRF-XF, 12-inch o.c. | -180.0 |
| C-VB-11. | GAF SA Primer | GAF SA Vapor Retarder | Self-adhering | LRF-XF, 12-inch o.c. | -202.5 |
| C-VB-12. | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | SBS-SA | Self-adhering | LRF-XF, 12-inch o.c. | -250.0 |
| C-VB-13. | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | BP-AA or one or two plies GAFGLAS Ply 4, GAFGLAS Ply 4 M, GAFGLAS FlexPly 6 or GAFGLAS Flex Ply 6 M or SBS-AA | Hot asphalt applied | LRF-XF, 12-inch o.c. | -262.5 |
| C-VB-14. | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | Ruberoid 30 | Hot asphalt applied | LRF-XF, 12-inch o.c. | -270.0 |
| C-VB-15. | None | GAF SA Vapor Retarder XL | Self-adhering | OlyBond 500, 12-inch o.c. | -127.5 |
| C-VB-16. | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | Ruberoid Torch Smooth | Torch-applied | OB500, 12-inch o.c. | -165.0 |
| C-VB-17. | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | Ruberoid HW 25 Smooth | Torch-applied | OB500, 12-inch o.c. | -180.0 |
| C-VB-18. | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | SBS-SA | Self-adhering | OB500, 12-inch o.c. | -187.5 |
| C-VB-19. | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | Ruberoid 20 Smooth | Matrix 102 SBS Membrane Adhesive at 1.5 gal/square | OB500, 12-inch o.c. | -202.5 |
| C-VB-20. | GAF SA Primer | GAF SA Vapor Retarder | Self-adhering | OB500, 12-inch o.c. | -202.5 |
| C-VB-21. | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | Ruberoid Torch Granule | Torch-applied | OB500, 12-inch o.c. | -225.0 |
| C-VB-22. | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | Ruberoid HW Smooth | Torch-applied | OB500, 12-inch o.c. | -232.5 |

| VAPOR BARRIER OPTIONS, STRUCTURAL CONCRETE DECK, ADHERED INSULATION | | | | | |
|---|--|---|---------------------|---|--------------|
| OPTION # | PRIMER | VAPOR BARRIER | | INSULATION ADHESIVE PER TABLE 3A | MDP (PSF) |
| | | TYPE | APPLICATION | | |
| C-VB-23. | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | BP-AA or one or two plies GAFGLAS Ply 4, GAFGLAS Ply 4 M, GAFGLAS FlexPly 6 or GAFGLAS Flex Ply 6 M or SBS-AA | Hot asphalt applied | OB500, 12-inch o.c. | -352.5 |

16B Decks followed by Vapor Barrier followed by Lightweight Concrete (LWC): The lesser of the MDP listings below vs. that for the selected assembly from the Lightweight Concrete tables applies:

| VAPOR BARRIER OPTIONS; STRUCTURAL CONCRETE DECK FOLLOWED BY CELLULAR LIGHTWEIGHT INSULATING CONCRETE | | | | | |
|--|--|--|---------------|---|--------------|
| OPTION # | PRIMER | VAPOR BARRIER | | LIGHTWEIGHT CONCRETE PER TABLE 4A – 4E (Note 14) | MDP (PSF) |
| | | TYPE | ATTACH | | |
| LWC-VB-1. | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | Base Ply (Optional): One or two plies Ruberoid HW 25 Smooth, Ruberoid HW Smooth Cap Ply: Ruberoid HW Granule, Ruberoid HW Granule FR, Ruberoid HW Plus Granule, Ruberoid HW Plus Granule FR | Torch-applied | Min. 200 psi Mearlcrete (NOA 19-0729.03) | -82.5 |
| LWC-VB-2. | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | Base Ply (Optional): One or two plies Ruberoid HW 25 Smooth, Ruberoid HW Smooth Cap Ply: Ruberoid HW Granule, Ruberoid HW Granule FR, Ruberoid HW Plus Granule, Ruberoid HW Plus Granule FR | Torch-applied | Min. 300 psi Celcore Cellular Concrete (NOA 23-0718.06) | -135.0 |
| LWC-VB-3. | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | Base Ply (Optional): One or two plies Ruberoid HW 25 Smooth, Ruberoid HW Smooth Cap Ply: Ruberoid HW Granule, Ruberoid HW Granule FR, Ruberoid HW Plus Granule, Ruberoid HW Plus Granule FR | Torch-applied | Min. 300 psi Elastzell (NOA 23-0817.05) | -302.5 |
| LWC-VB-4. | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | Ruberoid HW 25 Smooth, Ruberoid HW Smooth | Torch-applied | Min. 540 psi pre-existent cellular LWC (Note 14) | -358.0 |

16C For System Types B-1, B-2, C-1, C-2, D-1 or Type D-2, GAF SA Vapor Retarder or GAF SA Vapor Retarder XL may be installed atop the roof deck or to a loose-laid thermal barrier of DensDeck Prime, DEXcell Glass Mat Roof Board, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, prior to installation of the insulation and roof cover. When adhering GAF SA Vapor Retarder to structural concrete, the substrate shall be primed with GAF SA Primer. When adhering GAF SA Vapor Retarder to DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, the substrate shall be primed with GAF SA Primer or Matrix 307 Premium Asphalt Primer. Refer to [FM Loss Prevention Data Sheet 1-29](#) for design and installation limitations.

16D Fire barriers of GAF FireOut™ Fire Barrier Coating or VersaShield Solo™ Fire-Resistant Slip Sheet are optional in all assemblies when overlying components are mechanically fastened.

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

| ACCEPTABLE ALTERNATES | | | | |
|-----------------------|-----------------------------|-----------------|---|---|
| SUB-CATEGORY | MANUFACTURER | FBC FILE OR NOA | LISTED PRODUCT HEREIN | ALTERNATE |
| Roofing Insulation | GAF | NOA 17-0619.06 | EnergyGuard Polyiso Insulation | EnergyGuard NH Polyiso Insulation |
| | | | EnergyGuard Ultra Polyiso Insulation | EnergyGuard NH Ultra Polyiso Insulation |
| | | | EnergyGuard HD Polyiso Cover Board | EnergyGuard HD Barrier Polyiso Cover Board, EnergyGuard NH HD Polyiso Cover Board |
| | | | EnergyGuard HD Plus Polyiso Cover Board | EnergyGuard NH HD Plus Polyiso Cover Board |
| | Georgia-Pacific Gypsum, LLC | NOA 22-1223.04 | DensDeck Prime | DensDeck StormX Prime Roof Board |
| Vapor Barrier | GAF | N/A | GAF SA Vapor Retarder XL | GAF SA Vapor Retarder XL40 |

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

| TABLE 1A: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER | | | | | | | | | | |
|--|--|--|--|---------------------------|--|--------------------------------------|--------------------------------------|---------------------------|----------------|------------------------------|
| SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER | | | | | | | | | | |
| System No. | Deck (Note 1) | Base Insulation Layer | | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf) |
| | | Type | Fastener (Note 2, Note 11) | Attach | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| W-1. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | Min. 1-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation | Drill-Tec #12 Fastener with Drill-Tec 3" Steel Plate | 1 per 1.8 ft ² | Optional additional layer(s), min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -52.5 |
| W-2. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | Min. 1-inch EnergyGuard RN | Drill-Tec #12 Fastener with Drill-Tec AccuTrac Flat Plate or AccuTrac Recessed Plate | 1 per 1.8 ft ² | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -52.5 |

| TABLE 1B: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) | | | | | | | | | | | | |
|---|--|--|---|---|--|--------------------------------------|---|--------------------------------------|--------------------------------------|--|------------------------|------------------------------|
| SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER | | | | | | | | | | | | |
| System No. | Deck (Note 1) | Anchor Sheet | | | Base Insulation | | Top Insulation | | Roof Cover (Note 15) | | | MDP (psf) |
| | | Type | Fastener (Note 11) | Attach | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| CONVENTIONAL SYSTEMS: | | | | | | | | | | | | |
| W-3. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Eliminator Nailable Venting Base Sheet, Ruberoid 20 Smooth, Ruberoid Mop Smooth, Ruberoid Mop Smooth 1.5 | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 9-inch o.c. at the min. 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows | Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN | Hot asphalt | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board or Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) | Hot asphalt | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -45.0 |
| W-4. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Eliminator Nailable Venting Base Sheet, Ruberoid 20 Smooth, Ruberoid Mop Smooth, Ruberoid Mop Smooth 1.5 | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 9-inch o.c. at the min. 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows | Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN | Hot asphalt | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA, SBS-AA, SBS-TA, APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -45.0 |

TABLE 1B: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

| System No. | Deck (Note 1) | Anchor Sheet | | | Base Insulation | | Top Insulation | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|--|--|---|--|--|-------------------------|---|-------------------------|-------------------------------|--|------------------------|--------------|
| | | Type | Fastener (Note 11) | Attach | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| W-5. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | 32 ga., 1-5/8-inch diameter tin caps with 12 ga. annular ring shank nails | 8-inch o.c. at the 4-inch lap and 8-inch o.c. in two staggered center rows | Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN | Hot asphalt | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board or Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) | Hot asphalt | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -52.5 |
| W-6. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | 32 ga., 1-5/8-inch diameter tin caps with 12 ga. annular ring shank nails | 8-inch o.c. at the 4-inch lap and 8-inch o.c. in two staggered center rows | Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN | Hot asphalt | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA, SBS-AA, SBS-TA, APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -52.5 |
| W-7. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Eliminator Nailable Venting Base Sheet, Ruberoid 20 Smooth, Ruberoid Mop Smooth, Ruberoid Mop Smooth 1.5 | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 9-inch o.c. at the min. 4-inch lap and 9-inch o.c. in two, equally spaced, staggered center rows | Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN | Hot asphalt | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board or Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) | Hot asphalt | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -60.0 |
| W-8. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Eliminator Nailable Venting Base Sheet, Ruberoid 20 Smooth, Ruberoid Mop Smooth, Ruberoid Mop Smooth 1.5 | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 9-inch o.c. at the min. 4-inch lap and 9-inch o.c. in two, equally spaced, staggered center rows | Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN | Hot asphalt | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA, SBS-AA, SBS-TA, APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -60.0 |

SELF-ADHERING BASE PLY:

TABLE 1B: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

| System No. | Deck (Note 1) | Anchor Sheet | | | Base Insulation | | Top Insulation | | Roof Cover (Note 15) | | | MDP (psf) |
|-------------------------|--|--|---|---|--|-------------------------|---|-------------------------|--|-------------------------------------|--------------------------|--------------|
| | | Type | Fastener (Note 11) | Attach | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| W-9. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Eliminator Nailable Venting Base Sheet, Ruberoid 20 Smooth, Ruberoid Mop Smooth, Ruberoid Mop Smooth 1.5 | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 9-inch o.c. at the min. 2-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows | Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN | Hot asphalt | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | SBS-SA | (Optional) SBS-SA, SBS-TA or APP-TA | SBS-SA, SBS-TA or APP-TA | -45.0 |
| VENTING SYSTEMS: | | | | | | | | | | | | |
| W-10. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 8-inch o.c. at min. 4-inch laps and 8-inch o.c. in two, equally spaced, staggered center rows | Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso | Hot asphalt | (Optional) Additional layer(s) base insulation | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) BP-AA, SBS-AA | SBS-AA | -45.0 |
| W-11. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Eliminator Nailable Venting Base Sheet, Ruberoid 20 Smooth, Ruberoid Mop Smooth, Ruberoid Mop Smooth 1.5 | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 9-inch o.c. at the min. 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows | Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso | Hot asphalt | (Optional) Additional layer(s) base insulation | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) BP-AA, SBS-AA | SBS-AA | -45.0 |
| W-12. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | 32 ga., 1-5/8-inch diameter tin caps with 12 ga. annular ring shank nails | 8-inch o.c. at the 4-inch lap and 8-inch o.c. in two staggered center rows | Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso | Hot asphalt | (Optional) Additional layer(s) base insulation | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) BP-AA, SBS-AA | SBS-AA | -52.5 |
| W-13. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Eliminator Nailable Venting Base Sheet, Ruberoid 20 Smooth, Ruberoid Mop Smooth, Ruberoid Mop Smooth 1.5 | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 9-inch o.c. at the min. 4-inch lap and 9-inch o.c. in two, equally spaced, staggered center rows | Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso | Hot asphalt | (Optional) Additional layer(s) base insulation | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) BP-AA, SBS-AA | SBS-AA | -60.0 |

TABLE 1c: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

| System No. | Deck (Note 1) | Anchor Sheet | | | Base Insulation | | Top Insulation | | Roof Cover (Note 15) | | | MDP (psf) |
|------------------------------|--|---|--|--|--|---|---|---|--------------------------------------|--|------------------------|------------------------------|
| | | Type | Fastener (Note 2, Note 1) | Attach | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| CONVENTIONAL SYSTEMS: | | | | | | | | | | | | |
| W-14. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | Note 2 | 12-inch o.c. at the min. 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows | Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN | Hot asphalt | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board or Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) | Hot asphalt | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -45.0 |
| W-15. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | Note 2 | 12-inch o.c. at the min. 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows | Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN | Hot asphalt | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA, SBS-AA, SBS-TA, APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -45.0 |
| W-16. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | Note 2 (#14 ONLY) | 16-inch o.c. at the min. 4-inch lap and 16-inch o.c. in two, equally spaced, staggered center rows | Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN | Hot asphalt | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board or Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) | Hot asphalt | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -52.5 |
| W-17. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | Note 2 (#14 ONLY) | 16-inch o.c. at the min. 4-inch lap and 16-inch o.c. in two, equally spaced, staggered center rows | Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN | Hot asphalt | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA, SBS-AA, SBS-TA, APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -52.5 |

**TABLE 1c: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER**

| System No. | Deck (Note 1) | Anchor Sheet | | | Base Insulation | | Top Insulation | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|--|---|--|--|--|---|---|---|--|---|------------------------|--------------|
| | | Type | Fastener (Note 2 , Note 11) | Attach | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| W-18. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | Note 2 (#14 ONLY) | 12-inch o.c. at the min. 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows | Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN | Hot asphalt | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board or Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) | Hot asphalt | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -60.0 |
| W-19. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | Note 2 (#14 ONLY) | 12-inch o.c. at the min. 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows | Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN | Hot asphalt | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA, SBS-AA, SBS-TA, APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -60.0 |
| W-20. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | Note 2 | 12-inch o.c. at the min. 2-inch lap and 12-inch o.c. in three, equally spaced, staggered center rows | Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN | Hot asphalt | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board or Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) | Hot asphalt | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -60.0 |
| W-21. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | Note 2 | 12-inch o.c. at the min. 2-inch lap and 12-inch o.c. in three, equally spaced, staggered center rows | Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN | Hot asphalt | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA, SBS-AA, SBS-TA, APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -60.0 |

**TABLE 1c: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER**

| System No. | Deck (Note 1) | Anchor Sheet | | | Base Insulation | | Top Insulation | | Roof Cover (Note 15) | | | MDP (psf) |
|-------------------------|--|---|--|--|--|---|---|---|--|--|------------------------|--------------|
| | | Type | Fastener (Note 2 , Note 11) | Attach | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| W-22. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | Drill-Tec 3" Ribbed Galvalume Plate (Flat) with Drill-Tec #14 Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3" Flat Steel Plate | 12-inch o.c. at the min. 4-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows | Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN | Hot asphalt | Min. 0.75-inch EnergyGuard Perlite Insulation | Hot asphalt | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA | SBS-AA | -67.5* |
| W-23. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | Note 2 (#14 ONLY) | 8-inch o.c. at the 4-inch lap and 8-inch o.c. in three staggered center rows | Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN | Hot asphalt | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board or Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) | Hot asphalt | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -75.0* |
| W-24. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | Note 2 (#14 ONLY) | 8-inch o.c. at the 4-inch lap and 8-inch o.c. in three staggered center rows | Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN | Hot asphalt | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA, SBS-AA, SBS-TA, APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -82.5 |
| VENTING SYSTEMS: | | | | | | | | | | | | |
| W-25. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | Note 2 (#14 ONLY) | 16-inch o.c. at the min. 4-inch lap and 16-inch o.c. in two, equally spaced, staggered center rows | Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso | Hot asphalt | (Optional) Additional layer(s) base insulation | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-AA, SBS-TA, APP-TA | -52.5 |

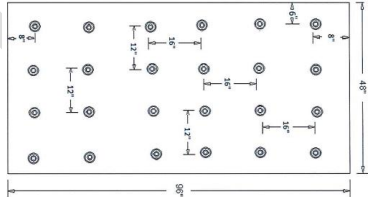
TABLE 1C: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

| System No. | Deck (Note 1) | Anchor Sheet | | | Base Insulation | | Top Insulation | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|--|---|-------------------------------|--|--|-------------------------|--|-------------------------|--|---------------------------|------------------------|--------------|
| | | Type | Fastener (Note 2, Note 11) | Attach | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| W-26. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | Note 2 (#14 ONLY) | 12-inch o.c. at the min. 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows | Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso | Hot asphalt | (Optional) Additional layer(s) base insulation | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-AA, SBS-TA, APP-TA | -60.0 |
| W-27. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | Note 2 (#14 ONLY) | 8-inch o.c. at the 4-inch lap and 8-inch o.c. in three staggered center rows | Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso | Hot asphalt | (Optional) Additional layer(s) base insulation | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-AA, SBS-TA, APP-TA | -82.5* |

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 | Base Ply | Ply | Cap Ply | | |
| CONVENTIONAL SYSTEMS: | | | | | | | | | | |
| W-28. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | Min. 0.75-inch, one or more layers, any combination, loose laid | Min. 1.5-inch EnergyGuard Composite or EnergyGuard RA Composite | Note 2 | | 1 per 3.0 ft2 | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -45.0 |
| W-29. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | Min. 0.75-inch, one or more layers, any combination, loose laid | Min. 1-inch Structodek High Density Fiberboard Roof Insulation or min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) | Note 2 | | 1 per 2.0 ft2 | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -45.0 |
| W-30. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | (Optional) One or more layers, any combination, loose laid | Min. 0.25-inch SECUROCK Gypsum Fiber Roof Board | Note 2 (#14 only) | | 1 per 1.8 ft2 | BP-AA, SBS-AA, SBS-TA, APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -60.0 |
| SELF-ADHERING BASE PLY: | | | | | | | | | | |
| W-31. | Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span, 8d common nails 6" o.c. | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Note 2 (HD Fastener only) | | 1 per 2.0 ft2 | SBS-SA | (Optional) SBS-SA | SBS-SA | -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 | Base Ply | Ply | Cap Ply | |
| W-32. | Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span; 8d ring shank nails, 6" o.c. | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | Drill-Tec #12 Fastener and Drill-Tec 3" Steel Plate | 1 per 1.8 ft ² | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -52.5 |
| W-33. | Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span; 8d ring shank nails, 6" o.c. | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | Drill-Tec #12 Fastener and Drill-Tec 3" Steel Plate | 1 per 1.6 ft ² | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -60.0 |
| VENTING SYSTEMS: | | | | | | | | | |
| W-34. | Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span; 8d ring shank nails, 6" o.c. | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra | Note 2 | 1 per 1.3 ft ² | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -60.0* |
| COLD-APPLIED SYSTEMS: | | | | | | | | | |
| W-35. | Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span; 8d ring shank nails, 6" o.c. | (Optional) One or more layers, any combination, loose laid | Min. 0.25-inch SECUROCK Gypsum Fiber Roof Board | Note 2 (#14 fasteners only) | 1 per 2.0 ft ² | SBS-CA1 | None | SBS-CA1 | -45.0* |
| W-36. | Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span; 8d ring shank nails, 6" o.c. | (Optional) One or more layers, any combination, loose laid | Min. 0.25-inch SECUROCK Gypsum Fiber Roof Board | Note 2 (#14 fasteners only) | 1 per 1.8 ft ² | SBS-CA1 | None | SBS-CA1 | -60.0 |
| W-37. | Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span; 8d ring shank nails, 6" o.c. | (Optional) One or more layers, any combination, loose laid | Min. 0.25-inch SECUROCK Gypsum Fiber Roof Board | Note 2 (#14 fasteners only) | 1 per 1.3 ft ² | SBS-CA1 | None | SBS-CA1 | -82.5 |
| | | | |  | | | | | |

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

| System No. | Deck (Note 1) | Insulation (Note 3 , Note 13) | | Base Sheet | | | Roof Cover (Note 15) | | | MDP (psf) |
|--------------------------------|---|---|---------------|---|--|---|--|--------------------------|--------------------------------|--------------------------------|
| | | Type | Attach | Type | Fastener (Note 2 , Note 11) | Attach | Base Ply | Ply | Cap Ply | |
| CONVENTIONAL SYSTEMS: | | | | | | | | | | |
| W-38. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | Min. 1-inch, one or more layers, any combination | Prelim attach | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, #80 Ultima Base Sheet, Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | Note 2 | 12-inch o.c. at min. 2-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA | SBS-AA, SBS-TA, SBS-CA, APP-TA | -45.0 |
| W-39. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | Min. 1-inch, one or more layers, any combination | Prelim attach | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, #80 Ultima Base Sheet, Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | Note 2 | 12-inch o.c. at min. 2-inch laps and 12-inch o.c. in three, equally spaced, staggered center rows | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA | SBS-AA, SBS-TA, SBS-CA, APP-TA | -60.0 |
| W-40. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | Min. 1-inch, one or more layers, any combination | Prelim attach | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, #80 Ultima Base Sheet, Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | Note 2 | 8-inch o.c. at min. 2-inch laps and 8-inch o.c. in three, equally spaced, staggered center rows | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA | SBS-AA, SBS-TA, SBS-CA, APP-TA | -75.0 |
| SELF-ADHERING BASE PLY: | | | | | | | | | | |
| W-41. | Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span, #8 x 2 1/2" deck screws, 6" o.c. | Min. 1-inch, one or more layers, any combination | Loose laid | Liberty SBS Mechanically Attached Base Sheet or Liberty SBS Self-Adhering Base/Ply Sheet | Note 2 | 8-inch o.c. at min. 3-inch laps and 8-inch o.c. at two, equally spaced, staggered center rows | SBS-SA | None | SBS-SA | -97.5 |

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

| System No. | Deck (Note 1) | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|------------------------------|---|--|---|--|--|--------------------------------|---------------------------|
| | | Type | Fastener (Note 11) | Attachment | Base Ply | Cap Ply | |
| CONVENTIONAL SYSTEMS: | | | | | | | |
| W-42. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d common nails 6" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 8-inch o.c. at min. 4-inch laps and 8-inch o.c. in two, equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA | SBS-AA | -45.0 |
| W-43. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d common nails 6" o.c. | GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Eliminator Nailable Venting Base Sheet, Ruberoid 20 Smooth, Ruberoid Mop Smooth, Ruberoid Mop Smooth 1.5 | 32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails | 9-inch o.c. at min. 4-inch laps and 9-inch o.c. at two, equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA | SBS-AA | -45.0 |
| W-44. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 9-inch o.c. at min. 4-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows | BP-AA, SBS-AA | SBS-AA, SBS-TA, SBS-CA, APP-TA | -45.0 |
| W-45. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 6-inch o.c. at min. 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA | SBS-AA | -52.5 |
| W-46. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 9-inch o.c. at min. 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows | BP-AA, SBS-AA | SBS-AA, SBS-TA, SBS-CA, APP-TA | -52.5 |
| W-47. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Eliminator Nailable Venting Base Sheet, Ruberoid 20 Smooth, Ruberoid Mop Smooth, Ruberoid Mop Smooth 1.5 | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 9-inch o.c. at min. 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows | (Optional) APP-TA | APP-TA | -60.0 |
| W-48. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Eliminator Nailable Venting Base Sheet, Ruberoid 20 Smooth, Ruberoid Mop Smooth, Ruberoid Mop Smooth 1.5 | 32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails | 8-inch o.c. at min. 4-inch laps and 8-inch o.c. at three, equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA | SBS-AA | -75.0 |
| W-49. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Eliminator Nailable Venting Base Sheet, Ruberoid 20 Smooth, Ruberoid Mop Smooth, Ruberoid Mop Smooth 1.5 | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 7-inch o.c. at min. 4-inch laps and 7-inch o.c. in three, equally spaced, staggered center rows | BP-AA, SBS-AA | SBS-AA, SBS-TA, SBS-CA, APP-TA | -82.5 |
| W-50. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span; 8d ring shank nails, 3" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 4-inch o.c. at min. 2-inch laps and 4-inch o.c. in four (4), equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -97.5 |

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

| System No. | Deck (Note 1) | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|--------------------------------|---|---|---|---|--------------------------------------|--|---------------------------|
| | | Type | Fastener (Note 11) | Attachment | Base Ply | Cap Ply | |
| W-51. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails, 3" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 3-inch o.c. at min. 3-inch laps and 3-inch o.c. at five (5), equally spaced, staggered center rows. <i>Base sheet and tin-caps shall be primed with Matrix 307 Premium Asphalt Primer prior to base ply installation</i> | (Optional) SBS-TA | Ruberoid HW Plus Granule, Ruberoid HW Plus Granule FR, Ruberoid EnergyCap HW Plus Granule FR | -120.0 |
| SELF-ADHERING BASE PLY: | | | | | | | |
| W-52. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d common nails 6" o.c. | Liberty SBS Mechanically Attached Base Sheet or Liberty SBS Self-Adhering Base/Ply Sheet | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 8-inch o.c. at min. 3-inch laps and 8-inch o.c. in three, equally spaced, staggered center rows | (Optional) SBS-SA | SBS-SA, SBS-TA or APP-TA | -45.0 |

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

| System No. | Deck (Note 1) | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|------------------------------|--|---|--|--|--------------------------------------|--------------------------------|---------------------------|
| | | Type | Fastener (Note 2, Note 11) | Attachment | Base Ply | Cap Ply | |
| CONVENTIONAL SYSTEMS: | | | | | | | |
| W-53. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | Note 2 | 12-inch o.c. at 2-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows | BP-AA, SBS-AA | SBS-AA, SBS-TA, SBS-CA, APP-TA | -45.0 |
| W-54. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | Note 2 (#14 ONLY) | 16-inch o.c. at 4-inch laps and 16-inch o.c. in two, equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA | SBS-AA | -52.5 |
| W-55. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | Note 2 | 12-inch o.c. at 2-inch laps and 12-inch o.c. in three, equally spaced, staggered center rows | BP-AA, SBS-AA | SBS-AA, SBS-TA, SBS-CA, APP-TA | -60.0 |
| W-56. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | Note 2 (#14 ONLY) | 12-inch o.c. at 4-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA | SBS-AA | -60.0 |
| W-57. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #80 Ultima Base Sheet, Ruberoid 20 Smooth, Ruberoid Mop Smooth, Ruberoid Mop Smooth 1.5 | Note 2 | 9-inch o.c. at 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows | (Optional) SBS-TA | SBS-TA (polyester only) | -60.0 |

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

| System No. | Deck (Note 1) | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|--------------------------------|---|---|---|--|--------------------------------------|---|-----------|
| | | Type | Fastener (Note 2, Note 11) | Attachment | Base Ply | Cap Ply | |
| W-58. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | Note 2 (#14 ONLY) | 8-inch o.c. at 4-inch laps and 8-inch o.c. in three, equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA | SBS-AA | -97.5 |
| W-59. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, #8 wood screws 6" o.c. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, #80 Ultima Base Sheet, Ply 4, FlexPly 6 or Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | Note 2 | 8-inch o.c. at 2-inch laps and 8-inch o.c. in three, equally spaced, staggered center rows | BP-AA, SBS-AA | SBS-AA, SBS-TA, SBS-CA, APP-TA | -105.0 |
| SELF-ADHERING BASE PLY: | | | | | | | |
| W-60. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft spans; blocked 4 ft o.c.; 8d ring shank nails 6" o.c. in the field; 10d ring shank nails 4" o.c. at the perimeters | StormSafe Anchor Sheet | Note 2 (AccuTrac Flat Plate, Drill-Tec 3" Flat Steel Plate or Drill-Tec 3" Recessed Steel Plate only) | 9-inch o.c. at 4-inch laps and 9-inch o.c. in three, equally spaced, staggered center rows | (Optional) SBS-SA | SBS-SA <i>Note: Seams sealed with TOPCOAT SB-900 or FlexSeal</i> | -60.0 |
| W-61. | Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span, 8d ring shank nails 6" o.c. | Liberty SBS Mechanically Attached Base Sheet or Liberty SBS Self-Adhering Base/Ply Sheet | Note 2 (HD Fastener only) | 8-inch o.c. at 3-inch laps and 8-inch o.c. in two, equally spaced, staggered center rows | (Optional) SBS-SA | SBS-SA, SBS-TA or APP-TA | -60.0 |

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

| System No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf) | |
|--------------------------------|--|--|---|---|---|--------------------------------------|---------------------------------|--|------------------------------|-------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | | |
| CONVENTIONAL SYSTEMS: | | | | | | | | | | |
| SC-1 | Min. 22 ga., type B, Grade 40 steel; 6 ft span, 5/8" puddle welds, 6" o.c. | Min. 1.5-inch EnergyGuard Polyiso Insulation | LRF-M or OB500, 6-inch o.c. | Optional additional layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | | LRF-M or OB500 | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -60.0 |
| SELF-ADHERING BASE PLY: | | | | | | | | | | |
| SC-2 | Min. 22 ga., type B, Grade 40 steel; 6 ft span, 5/8" puddle welds, 6" o.c. | Min. 1.5-inch EnergyGuard Polyiso Insulation | LRF-M or OB500, 6-inch o.c. | Optional additional layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | | LRF-M or OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -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 | | Roof Cover (Note 15) | | | MDP (psf) |
|------------------------------|---|--|---|---------------|---|---|--------------------------------------|--------------------------------------|---------|------------------------------|
| | | Type | Fasten (Note 2, Note 11) | Attach | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| CONVENTIONAL SYSTEMS: | | | | | | | | | | |
| SC-3 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 0.625-inch DensDeck Prime | Note 2 | 1 per 4.0 ft2 | Min. 1.5-inch EnergyGuard followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | APP-TA | (Optional) APP-TA | APP-TA | -45.0* |
| SC-4 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 0.5-inch DensDeck Prime | Note 2 | 1 per 2.7 ft2 | Min. 1.5-inch EnergyGuard followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | APP-TA | (Optional) APP-TA | APP-TA | -45.0* |
| SC-5 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation | Note 2 | 1 per 2.7 ft2 | Optional additional layers, min. 1.5-inch base insulation followed by mMin. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board or min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Hot asphalt | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -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 | | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|---|---|--------------------------------|----------------|--|-------------------------|------------------|--------------------------------------|------------------|--------|--------------|
| | | Type | Fasten (Note 2, Note 11) | Attach | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | | |
| SC-6 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 2.0 ft2 | Optional additional layers, min. 1.5-inch base insulation followed by min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board or min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Hot asphalt | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -45.0* | |
| SC-7 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 4.0 ft2 | Optional additional layers, min. 1.5-inch base insulation followed by min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board or min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Hot asphalt | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -45.0* | |
| SC-8 | Min. 22 ga., type B, Grade 50 steel; 6 ft span, 5/8" puddle welds, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra | Note 2 | 1 per 1.8 ft2 | Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous), min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA | SBS-AA | -60.0* | |
| SC-9 | Min. 22 ga., type B, Grade 50 steel; 6 ft span, 5/8" puddle welds, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra | Note 2 | 1 per 1.8 ft2 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | SBS-TA or APP-TA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -60.0* | |
| SC-10 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 1.45 ft2 | Min. 1.0-inch EnergyGuard Perlite Roof Insulation (homogeneous) | Hot asphalt | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA | SBS-AA or SBS-TA | -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 | | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|--|--|--------------------------------|----------------|--|-------------------------|---------------------------------|--|--------------------------|--------|--------------|
| | | Type | Fasten (Note 2, Note 11) | Attach | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | | |
| SC-11 | Min. 22 ga., type B, Grade 33 steel; 6 ft spans; #12 HWH Tekes 5 screws at 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 1.3 ft2 | Optional additional layers base insulation followed by min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogenous), min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA or SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA | SBS-AA, SBS-TA | -60.0 | |
| SC-12 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tekes 5 screw 6" o.c. or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 1.45 ft2 | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | Hot asphalt | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA | SBS-AA or SBS-TA | -67.5 | |
| SC-13 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 2.0 ft2 | Optional additional layer(s) min. 1.5-inch thick base insulation followed by Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt or OB500 | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -45.0* | |
| SC-14 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 4.0 ft2 | Optional additional layer(s) min. 1.5-inch thick base insulation followed by Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt or OB500 | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -45.0* | |
| SC-15 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 2.0 ft2 | Optional additional layer(s) min. 1.5-inch thick base insulation followed by Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | Hot asphalt or OB500 | BP-AA, SBS-AA | None | SBS-CA | -45.0* | |
| SC-16 | Min. 22 ga., type B, Grade 50 steel; 6 ft span, 5/8" puddle welds, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra | Note 2 | 1 per 1.8 ft2 | Optional additional layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-TA or APP-TA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -52.5 | |

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

| System No. | Deck‡ (Note 1) | Base Insulation Layer | | | Top Insulation Layer | | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|---|---|--------------------------------|---------------|---|-------------------------|---------------------------------|--|--------------------------|--------|--------------|
| | | Type | Fasten (Note 2, Note 11) | Attach | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | | |
| SC-17 | Min. 22 ga., type B, Grade 50 steel; 6 ft span, 5/8" puddle welds, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra | Note 2 | 1 per 1.8 ft2 | Optional additional layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-AA | -52.5 | |
| SC-18 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 1.6 ft2 | Optional additional layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Hot asphalt or OB500 | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -60.0 | |
| SC-19 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RH | Note 2 | 1 per 2.0 ft2 | Optional additional layer(s) min. 1.5-inch thick base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -45.0* | |
| SC-20 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RH | Note 2 | 1 per 4.0 ft2 | Optional additional layer(s) min. 1.5-inch thick base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -45.0* | |
| SC-21 | Min. 22 ga., type B, Grade 50 steel; 6 ft span, 5/8" puddle welds, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra | Note 2 | 1 per 1.8 ft2 | Optional additional layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-TA or APP-TA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -52.5 | |
| SC-22 | Min. 22 ga., type B, Grade 50 steel; 6 ft span, 5/8" puddle welds, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra | Note 2 | 1 per 1.8 ft2 | Optional additional layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-AA | -52.5 | |
| SC-23 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RH | Note 2 | 1 per 1.6 ft2 | Optional additional layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-XF | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -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 | | Roof Cover (Note 15) | | | MDP (psf) |
|--------------------------------|---|---|--------------------------------|---------------|--|-------------------------|----------------------|---------------------------|----------------|--------------|
| | | Type | Fasten (Note 2, Note 11) | Attach | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| SELF-ADHERING BASE PLY: | | | | | | | | | | |
| SC-24 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation | Note 2 | 1 per 2.0 ft2 | Additional layer(s), min. 0.5-inch thick base insulation | OB500, LRF-M, M-OSFA | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -45.0* |
| SC-25 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard Polyiso Insulation | Note 2 | 1 per 2.9 ft2 | Additional layer(s), min. 0.5-inch thick base insulation | OB500, LRF-M, M-OSFA | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -45.0* |
| SC-26 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | Note 2 | 1 per 4.0 ft2 | Additional layer(s), min. 1.5-inch thick base insulation | OB500, LRF-M, M-OSFA | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -45.0* |
| SC-27 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 2.0 ft2 | Optional additional layer(s) min. 1.5-inch thick base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -45.0* |
| SC-28 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | Note 2 | 1 per 2.0 ft2 | Optional additional layer(s) min. 0.5-inch thick base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500, LRF-M, M-OSFA | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -45.0* |
| SC-29 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | Note 2 | 1 per 2.9 ft2 | Optional additional layer(s) min. 0.5-inch thick base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500, LRF-M, M-OSFA | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -45.0* |
| SC-30 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 4.0 ft2 | Optional additional layer(s) min. 1.5-inch thick base insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-SA | (Optional) SBS-SA | SBS-SA | -45.0* |
| SC-31 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 4.0 ft2 | Optional additional layer(s) min. 1.5-inch thick base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -45.0* |
| SC-32 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | Note 2 | 1 per 4.0 ft2 | Optional additional layer(s) min. 0.5-inch thick base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500, LRF-M, M-OSFA | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -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 | | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|---|---|--------------------------------|---------------|---|-------------------------|----------|---------------------------|----------------|--------|--------------|
| | | Type | Fasten (Note 2, Note 11) | Attach | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | | |
| SC-33 | Min. 22 ga., type B, Grade 50 steel; 6 ft span, 5/8" puddle welds, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra | Note 2 | 1 per 1.8 ft2 | Optional additional layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-SA | (Optional) SBS-TA | SBS-TA | -52.5 | |
| SC-34 | Min. 22 ga., type B, Grade 50 steel; 6 ft span, 5/8" puddle welds, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra | Note 2 | 1 per 1.8 ft2 | Optional additional layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation followed by Min. 0.5-inch EnergyGuard HD Polyiso Cover Board, EnergyGuard HD Plus Polyiso Cover Board | OB500 | SBS-SA | (Optional) SBS-TA | SBS-TA | -60.0 | |
| SC-35 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek's 5 screw 6" o.c. or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 1.6 ft2 | Optional additional layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -60.0 | |
| SC-36 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 4.0 ft2 | Optional additional layer(s) min. 1.5-inch thick base insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | SBS-SA | (Optional) SBS-SA | SBS-SA | -45.0* | |
| SC-37 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 2.0 ft2 | Optional additional layer(s) min. 1.5-inch thick base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -45.0* | |
| SC-38 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 4.0 ft2 | Optional additional layer(s) min. 1.5-inch thick base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -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 | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|---|---|--------------------------------|---------------|---|-------------------------|----------------------|---------------------------|----------------|--------------|
| | | Type | Fasten (Note 2, Note 11) | Attach | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| SC-39 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek's 5 screw 6" o.c. or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 1.6 ft2 | Optional additional layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -60.0 |
| SC-40 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | Note 2 | 1 per 2.0 ft2 | Additional layer(s), min. 0.5-inch thick base insulation | LRF-XF | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -45.0* |
| SC-41 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | Note 2 | 1 per 2.9 ft2 | Additional layer(s), min. 0.5-inch thick base insulation | LRF-XF | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -45.0* |
| SC-42 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | Note 2 | 1 per 4.0 ft2 | Additional layer(s), min. 1.5-inch thick base insulation | LRF-XF | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -45.0* |
| SC-43 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH | Note 2 | 1 per 2.0 ft2 | Optional additional layer(s) min. 1.5-inch thick base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -45.0* |
| SC-44 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | Note 2 | 1 per 2.0 ft2 | Optional additional layer(s) min. 0.5-inch thick base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -45.0* |
| SC-45 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | Note 2 | 1 per 2.9 ft2 | Optional additional layer(s) min. 0.5-inch thick base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -45.0* |
| SC-46 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard RA, EnergyGuard RH | Note 2 | 1 per 4.0 ft2 | Optional additional layer(s) min. 1.5-inch thick base insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-SA | (Optional) SBS-SA | SBS-SA | -45.0* |
| SC-47 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard RA, EnergyGuard RH | Note 2 | 1 per 4.0 ft2 | Optional additional layer(s) min. 1.5-inch thick base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -45.0* |
| SC-48 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | Note 2 | 1 per 4.0 ft2 | Optional additional layer(s) min. 0.5-inch thick base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -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 | | Roof Cover (Note 15) | | | MDP (psf) |
|------------------------------|---|---|--------------------------------|---------------|---|-------------------------|--|--------------------------------------|----------------|--------------|
| | | Type | Fasten (Note 2, Note 11) | Attach | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| SC-49 | Min. 22 ga., type B, Grade 50 steel; 6 ft span, 5/8" puddle welds, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra | Note 2 | 1 per 1.8 ft2 | Optional additional layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-SA | (Optional) SBS-TA | SBS-TA | -52.5 |
| SC-50 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tekes 5 screw 6" o.c. or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RH | Note 2 | 1 per 1.6 ft2 | Optional additional layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -60.0 |
| VENTING SYSTEMS: | | | | | | | | | | |
| SC-51 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation | Note 2 | 1 per 4.0 ft2 | Additional layer(s) of base insulation | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -45.0* |
| COLD-APPLIED SYSTEMS: | | | | | | | | | | |
| SC-52 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 2.0 ft2 | Optional additional layer(s) min. 1.5-inch thick base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-CA1 | None | SBS-CA1 | -45.0* |
| SC-53 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 4.0 ft2 | Optional additional layer(s) min. 1.5-inch thick base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-CA1 | None | SBS-CA1 | -45.0* |
| SC-54 | Min. 22 ga., type B, Grade 50 steel; 6 ft span, 5/8" puddle welds, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra | Note 2 | 1 per 1.8 ft2 | Optional additional layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-CA1 | None | SBS-CA1 | -52.5 |

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

| System No. | Deck† (Note 1) | Base Insulation Layer | | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf) |
|---|--|---|--------------------------------|---------------|--|-------------------------|----------------------|----------------------------|---------|--------------|
| | | Type | Fasten (Note 2, Note 11) | Attach | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| SC-55 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RH | Note 2 | 1 per 2.0 ft2 | Optional additional layer(s) min. 1.5-inch thick base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-CA1 | None | SBS-CA1 | -45.0* |
| SC-56 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RH | Note 2 | 1 per 4.0 ft2 | Optional additional layer(s) min. 1.5-inch thick base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-CA1 | None | SBS-CA1 | -45.0* |
| SC-57 | Min. 22 ga., type B, Grade 50 steel; 6 ft span, 5/8" puddle welds, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra | Note 2 | 1 per 1.8 ft2 | Optional additional layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-CA1 | None | SBS-CA1 | -52.5 |
| HYBRID HOT/COLD-APPLIED SYSTEMS: | | | | | | | | | | |
| SC-58 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 2.0 ft2 | Optional additional layers base insulation followed by min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogenous), min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -45.0* |
| SC-59 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation | Note 2 | 1 per 2.7 ft2 | Optional additional layers base insulation followed by min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogenous) or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | Hot asphalt | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -45.0* |
| SC-60 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation | Note 2 | 1 per 3.2 ft2 | Optional additional layers base insulation followed by min.0.5-inch EnergyGuard Perlite Recover Board, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -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 | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|--|--|--------------------------------|---------------|--|-------------------------|----------------------|----------------------------|---------|--------------|
| | | Type | Fasten (Note 2, Note 11) | Attach | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| SC-61 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation | Note 2 | 1 per 4.0 ft2 | Optional additional layers base insulation followed by min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogenous), min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -45.0* |
| SC-62 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 3.2 ft2 | Optional additional layers base insulation followed by min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogenous), min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -45.0* |
| SC-63 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 4.0 ft2 | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -45.0* |
| SC-64 | Min. 22 ga., type B, Grade 50 steel; 6 ft span, 5/8" puddle welds, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra | Note 2 | 1 per 1.8 ft2 | Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous), min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -60.0* |
| SC-65 | Min. 22 ga., type B, Grade 33 steel; 6 ft spans; #12 HWH Tek 5 screws at 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 1.3 ft2 | Optional additional layers base insulation followed by min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogenous), min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -60.0 |
| SC-66 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 2.0 ft2 | Optional additional layer(s) min. 0.5-inch thick base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -45.0* |
| SC-67 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 4.0 ft2 | Optional additional layer(s) min. 0.5-inch thick base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -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 | | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|--|---|---|---------------|---|---|-----------------|--|---------|--------|--------------|
| | | Type | Fasten (Note 2 , Note 11) | Attach | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | | |
| SC-68 | Min. 22 ga., type B, Grade 50 steel; 6 ft span, 5/8" puddle welds, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra | Note 2 | 1 per 1.8 ft2 | Optional additional layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -52.5 | |
| SC-69 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RH | Note 2 | 1 per 2.0 ft2 | Optional additional layer(s) min. 1.5-inch thick base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -45.0* | |
| SC-70 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RH | Note 2 | 1 per 4.0 ft2 | Optional additional layer(s) min. 1.5-inch thick base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -45.0* | |
| SC-71 | Min. 22 ga., type B, Grade 50 steel; 6 ft span, 5/8" puddle welds, 6" o.c. or min. 2,500 psi structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra | Note 2 | 1 per 1.8 ft2 | Optional additional layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation or EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -52.5 | |

‡ NOTE: As-tested steel deck performance under TAS 114, Appendix J indicates steel deck at max. 6 ft spans attached with 5/8" diameter puddle welds spaced 6" o.c. may be substituted for #12 HWH Tek's 5 screws in the Table 2B assemblies up to a maximum design pressure of -82.5 psf. [Note 1](#).

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

| System No. | Deck (Note 1) | Thermal Barrier | | | Vapor Barrier | Insulation Layer(s) | | Roof Cover (Note 15) | | | MDP (psf) |
|------------------------------|-------------------------------------|---|--|---------------------------|--|--|---|--------------------------------------|-----------------------------|------------------|------------------------------|
| | | Type | Fasten (Note 2, Note 11) | Attach | | Type | Attach (Notes 6,7,8) | Base | Ply | Cap | |
| CONVENTIONAL SYSTEMS: | | | | | | | | | | | |
| SC-72 | Min. 22 ga., Type B, Grade 33 steel | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 4.0 ft ² | Primer: GAF SA Primer or Matrix 307 Premium Asphalt Primer Vapor Retarder: GAF SA Vapor Retarder, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard RN Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-M or OB500 | SBS-TA or APP-TA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -45.0* |
| SC-73 | Min. 22 ga., Type B, Grade 33 steel | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 4.0 ft ² | GAF SA Vapor Retarder XL, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard RN Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-M or OB500 | SBS-TA or APP-TA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -45.0* |
| SC-74 | Min. 22 ga., Type B, Grade 33 steel | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 4.0 ft ² | Primer: GAF SA Primer or Matrix 307 Premium Asphalt Primer Vapor Retarder: GAF SA Vapor Retarder, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard RN Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-M or OB500 | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-AA | -45.0* |
| SC-75 | Min. 22 ga., Type B, Grade 33 steel | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 4.0 ft ² | GAF SA Vapor Retarder XL, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard RN Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-M or OB500 | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-AA | -45.0* |
| SC-76 | Min. 22 ga., Type B, Grade 33 steel | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 4.0 ft ² | Primer: GAF SA Primer or Matrix 307 Premium Asphalt Primer Vapor Retarder: GAF SA Vapor Retarder, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-M, LRF-XF or OB500 | SBS-TA or APP-TA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -45.0* |
| SC-77 | Min. 22 ga., Type B, Grade 33 steel | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 4.0 ft ² | GAF SA Vapor Retarder XL, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-M, LRF-XF or OB500 | SBS-TA or APP-TA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -45.0* |

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

| System No. | Deck (Note 1) | Thermal Barrier | | | Vapor Barrier | Insulation Layer(s) | | Roof Cover (Note 15) | | | MDP (psf) |
|--------------------------------|--|---|--|---------------------------|--|--|---|--------------------------------------|-----------------------------|------------------|------------------------------|
| | | Type | Fasten (Note 2, Note 11) | Attach | | Type | Attach (Notes 6,7,8) | Base | Ply | Cap | |
| SC-78 | Min. 22 ga., Type B, Grade 33 steel | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 4.0 ft ² | Primer: GAF SA Primer or Matrix 307 Premium Asphalt Primer Vapor Retarder: GAF SA Vapor Retarder, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-M, LRF-XF or OB500 | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-AA | -45.0* |
| SC-79 | Min. 22 ga., Type B, Grade 33 steel | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 4.0 ft ² | GAF SA Vapor Retarder XL, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-M, LRF-XF or OB500 | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-AA | -45.0* |
| SC-80 | Min. 22 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5, 6" o.c. | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 2.0 ft ² | Primer: GAF SA Primer Vapor Retarder: GAF SA Vapor Retarder, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-M, LRF-XF or OB500 | SBS-TA or APP-TA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -67.5 |
| SC-81 | Min. 22 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5, 6" o.c. | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 2.0 ft ² | Primer: GAF SA Primer Vapor Retarder: GAF SA Vapor Retarder, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-M, LRF-XF or OB500 | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-AA | -67.5 |
| SELF-ADHERING BASE PLY: | | | | | | | | | | | |
| SC-82 | Min. 22 ga., Type B, Grade 33 steel | Min. 0.5-inch SECUROCK Gypsum Fiber Roof Board | Note 2 | 1 per 2.7 ft ² | Liberty SBS Self-Adhering Cap Sheet, self-adhered | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | SBS-SA | None | SBS-SA | -45.0* |
| SC-83 | Min. 22 ga., Type B, Grade 33 steel | Min. 0.5-inch SECUROCK Gypsum Fiber Roof Board | Note 2 | 1 per 2.7 ft ² | Liberty SBS Self-Adhering Cap Sheet, self-adhered | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -45.0* |
| SC-84 | Min. 22 ga., Type B, Grade 33 steel | Min. 0.5-inch SECUROCK Gypsum Fiber Roof Board | Note 2 | 1 per 2.7 ft ² | Liberty SBS Self-Adhering Cap Sheet, self-adhered | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-SA | None | SBS-SA | -45.0* |

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

| System No. | Deck (Note 1) | Thermal Barrier | | | Vapor Barrier | Insulation Layer(s) | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|-------------------------------------|---|--|---------------------------|--|--|---|--------------------------------------|---------------------------|----------------|------------------------------|
| | | Type | Fasten (Note 2, Note 11) | Attach | | Type | Attach (Notes 6,7,8) | Base | Ply | Cap | |
| SC-85 | Min. 22 ga., Type B, Grade 33 steel | Min. 0.5-inch SECUROCK Gypsum Fiber Roof Board | Note 2 | 1 per 2.7 ft ² | Liberty SBS Self-Adhering Cap Sheet, self-adhered | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -45.0* |
| SC-86 | Min. 22 ga., Type B, Grade 33 steel | Min. 0.5-inch SECUROCK Gypsum Fiber Roof Board | Note 2 | 1 per 2.7 ft ² | Liberty SBS Self-Adhering Cap Sheet, self-adhered | Min. 1.5-inch EnergyGuard RH followed by Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board, EnergyGuard HD Plus Polyiso Cover Board | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -45.0* |
| SC-87 | Min. 22 ga., Type B, Grade 33 steel | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 4.0 ft ² | Primer: GAF SA Primer or Matrix 307 Premium Asphalt Primer Vapor Retarder: GAF SA Vapor Retarder, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard RN (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board | LRF-M or OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -45.0* |
| SC-88 | Min. 22 ga., Type B, Grade 33 steel | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 4.0 ft ² | GAF SA Vapor Retarder XL, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard RN (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board | LRF-M or OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -45.0* |
| SC-89 | Min. 22 ga., Type B, Grade 33 steel | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 4.0 ft ² | Primer: GAF SA Primer or Matrix 307 Premium Asphalt Primer Vapor Retarder: GAF SA Vapor Retarder, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board | LRF-M, LRF-XF or OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -45.0* |
| SC-90 | Min. 22 ga., Type B, Grade 33 steel | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 4.0 ft ² | GAF SA Vapor Retarder XL, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board | LRF-M, LRF-XF or OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -45.0* |

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

| System No. | Deck (Note 1) | Thermal Barrier | | | Vapor Barrier | Insulation Layer(s) | | Roof Cover (Note 15) | | | MDP (psf) |
|-------------------------|--|---|--|---------------------------|--|---|---|--|--------------------------------------|----------------|------------------------------|
| | | Type | Fasten (Note 2, Note 11) | Attach | | Type | Attach (Notes 6,7,8) | Base | Ply | Cap | |
| SC-91 | Min. 22 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Tek's 5, 6" o.c. | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 2.0 ft ² | Primer: GAF SA Primer Vapor Retarder: GAF SA Vapor Retarder, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board | LRF-M, LRF-XF or OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -67.5 |
| VENTING SYSTEMS: | | | | | | | | | | | |
| SC-92 | Min. 22 ga., Type B, Grade 33 steel | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 4.0 ft ² | Primer: GAF SA Primer or Matrix 307 Premium Asphalt Primer Vapor Retarder: GAF SA Vapor Retarder, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard RN (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-M or OB500 | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -45.0* |
| SC-93 | Min. 22 ga., Type B, Grade 33 steel | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 4.0 ft ² | GAF SA Vapor Retarder XL, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard RN (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-M or OB500 | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -45.0* |
| SC-94 | Min. 22 ga., Type B, Grade 33 steel | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 4.0 ft ² | Primer: GAF SA Primer or Matrix 307 Premium Asphalt Primer Vapor Retarder: GAF SA Vapor Retarder, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-M, LRF-XF or OB500 | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -45.0* |
| SC-95 | Min. 22 ga., Type B, Grade 33 steel | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 4.0 ft ² | GAF SA Vapor Retarder XL, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-M, LRF-XF or OB500 | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -45.0* |
| SC-96 | Min. 22 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Tek's 5, 6" o.c. | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 2.0 ft ² | Primer: GAF SA Primer Vapor Retarder: GAF SA Vapor Retarder, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-M, LRF-XF or OB500 | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -67.5 |

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

| System No. | Deck (Note 1) | Thermal Barrier | | | Vapor Barrier | Insulation Layer(s) | | Roof Cover (Note 15) | | | MDP (psf) |
|------------------------------|-------------------------------------|---|--|---------------------------|--|--|---|--------------------------------------|------|-------------------|------------------------------|
| | | Type | Fasten (Note 2, Note 11) | Attach | | Type | Attach (Notes 6,7,8) | Base | Ply | Cap | |
| COLD-APPLIED SYSTEMS: | | | | | | | | | | | |
| SC-97 | Min. 22 ga., Type B, Grade 33 steel | Min. 0.5-inch SECUROCK Gypsum Fiber Roof Board | Note 2 | 1 per 2.7 ft ² | Liberty SBS Self-Adhering Cap Sheet, self-adhered | Min. 1.5-inch EnergyGuard RH followed by Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board, EnergyGuard HD Plus Polyiso Cover Board | OB500 | SBS-CA or SBS-CA1 | None | SBS-CA or SBS-CA1 | -45.0* |
| SC-98 | Min. 22 ga., Type B, Grade 33 steel | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 4.0 ft ² | Primer: GAF SA Primer or Matrix 307 Premium Asphalt Primer Vapor Retarder: GAF SA Vapor Retarder, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard RN (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board | LRF-M or OB500 | SBS-CA1 | None | SBS-CA1 | -45.0* |
| SC-99 | Min. 22 ga., Type B, Grade 33 steel | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 4.0 ft ² | GAF SA Vapor Retarder XL, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard RN (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board | LRF-M or OB500 | SBS-CA1 | None | SBS-CA1 | -45.0* |
| SC-100 | Min. 22 ga., Type B, Grade 33 steel | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 4.0 ft ² | Primer: GAF SA Primer or Matrix 307 Premium Asphalt Primer Vapor Retarder: GAF SA Vapor Retarder, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board | LRF-M, LRF-XF or OB500 | SBS-CA1 | None | SBS-CA1 | -45.0* |
| SC-101 | Min. 22 ga., Type B, Grade 33 steel | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 4.0 ft ² | GAF SA Vapor Retarder XL, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board | LRF-M, LRF-XF or OB500 | SBS-CA1 | None | SBS-CA1 | -45.0* |

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

| System No. | Deck (Note 1) | Thermal Barrier | | | Vapor Barrier | Insulation Layer(s) | | Roof Cover (Note 15) | | | MDP (psf) |
|---|--|---|--|---------------------------|--|---|---|--------------------------------------|----------------------------|---------|------------------------------|
| | | Type | Fasten (Note 2, Note 11) | Attach | | Type | Attach (Notes 6,7,8) | Base | Ply | Cap | |
| SC-102 | Min. 22 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Tek's 5, 6" o.c. | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 2.0 ft ² | Primer: GAF SA Primer Vapor Retarder: GAF SA Vapor Retarder, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board | LRF-M, LRF-XF or OB500 | SBS-CA1 | None | SBS-CA1 | -67.5 |
| HYBRID HOT/COLD APPLIED SYSTEMS: | | | | | | | | | | | |
| SC-103 | Min. 22 ga., Type B, Grade 33 steel | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 4.0 ft ² | Primer: GAF SA Primer or Matrix 307 Premium Asphalt Primer Vapor Retarder: GAF SA Vapor Retarder, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard RN Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-M or OB500 | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -45.0* |
| SC-104 | Min. 22 ga., Type B, Grade 33 steel | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 4.0 ft ² | GAF SA Vapor Retarder XL, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard RN Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-M or OB500 | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -45.0* |
| SC-105 | Min. 22 ga., Type B, Grade 33 steel | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 4.0 ft ² | Primer: GAF SA Primer or Matrix 307 Premium Asphalt Primer Vapor Retarder: GAF SA Vapor Retarder, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-M, LRF-XF or OB500 | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -45.0* |
| SC-106 | Min. 22 ga., Type B, Grade 33 steel | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 4.0 ft ² | GAF SA Vapor Retarder XL, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-M, LRF-XF or OB500 | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -45.0* |
| SC-107 | Min. 22 ga., Type B, Grade 33 steel; 6 ft span, #12 HWH Tek's 5, 6" o.c. | 0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | Note 2 <i>(Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used)</i> | 1 per 2.0 ft ² | Primer: GAF SA Primer Vapor Retarder: GAF SA Vapor Retarder, self-adhering | One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-M, LRF-XF or OB500 | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -67.5 |

**TABLE 2D: 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 | Base Ply | Ply | Cap Ply | |
| CONVENTIONAL SYSTEMS: | | | | | | | | | |
| SC-108 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime or min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board | Drill-Tec #12 Fastener, Drill-Tec #12 DP Fastener, Drill-Tec #14 Fastener, Drill-Tec #14 HD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate or Drill-Tec ASAP 3S, Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate or Drill-Tec 3" ASAP Flat | 1 per 4.0 ft ² | SBS-TA or APP-TA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -45.0* |
| SC-109 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 2.13 ft ² | SBS-TA or APP-TA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -45.0* |
| SC-110 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.25-inch DensDeck, DensDeck Prime | Note 2 | 1 per 4.0 ft ² | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA | SBS-AA, SBS-TA, APP-TA | -45.0* |
| SC-111 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or Structodek High Density Fiberboard Roof Insulation | Note 2 | 1 per 2.0 ft ² | SBS-AA | (Optional) SBS-AA | SBS-AA, SBS-TA | -45.0* |
| SC-112 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | 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 | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -45.0* |
| SC-113 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 4.0 ft ² | BP-AA or SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA | SBS-AA, SBS-TA | -45.0* |
| SC-114 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 1.6 ft ² | SBS-AA, SBS-TA, APP-TA | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -52.5 |
| SC-115 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.25-inch DensDeck Prime | Note 2 | 1 per 1.45 ft ² | SBS-AA, SBS-TA, APP-TA | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -52.5 |
| SC-116 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 1.8 ft ² | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -52.5 |

TABLE 2D: 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 | Base Ply | Ply | Cap Ply | |
| SC-117 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 (#14 only) | 1 per 1.8 ft ² | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -60.0 |
| SC-118 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 1.3 ft ² | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -60.0 |
| SC-119 | Min. 22 ga., type B, Grade 33 steel; 6 ft spans; #12 HWH Tek 5 screws at 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 2.0 ft ² | BP-AA or SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA | SBS-AA, SBS-TA | -60.0 |
| SC-120 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | Note 2 | 1 per 1.0 ft ² | SBS-AA | (Optional) SBS-AA or SBS-TA | SBS-AA, SBS-TA | -67.5 |
| SC-121 | Min. 22 ga., type B, Grade 40 steel; 6 ft span, 5/8-inch puddle welds 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.25-inch DensDeck Prime | Note 2 | 1 per 1.45 ft ² | SBS-TA | (Optional) SBS-TA | SBS-TA | -67.5 |
| SC-122 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 1.3 ft ² | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -67.5 |
| SC-123 | Min. 22 ga., type B, Grade 40 steel; 6 ft span, 5/8-inch puddle welds 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 1.45 ft ² | SBS-TA | (Optional) SBS-TA | SBS-TA | -75.0 |
| SC-124 | Min. 22 ga., type B, Grade 33 steel; 6 ft spans; #12 HWH Tek 5 screws at 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 1.6 ft ² | BP-AA or SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA | SBS-AA, SBS-TA | -82.5 |
| SC-125 | Min. 20 ga., type B, Grade 33 steel, min. 22 ga., type B, Grade 80 steel; 6 ft spans; #12 HWH Tek 5 screws at 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 1.6 ft ² | BP-AA or SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA | SBS-AA, SBS-TA | -90.0 |

**TABLE 2D: 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 | Base Ply | Ply | Cap Ply | |
| SC-126 | Min. 20 ga., type B, Grade 33 steel or min. 22 ga., type B, Grade 80 steel; 6 ft span, two (2) Tekes/5 with 3/8" washers 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime | Note 2 | 1 per 1.0 ft ² | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -90.0 |
| SC-127 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Tekes 5 screws 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 1.0 ft ² | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -97.5 |
| SC-128 | Min. 20 ga., type B, Grade 33 steel, min. 22 ga., type B, Grade 80 steel; 6 ft spans; #12 HWH Tekes 5 screws at 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 1.45 ft ² | BP-AA or SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA | SBS-AA, SBS-TA | -97.5 |
| SC-129 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Tekes 5 screws 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime | Note 2 (#14 only) | 1 per 1.0 ft ² | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -105.0 |
| SC-130 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Tekes 5 screws 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 (#14 only) | 1 per 1.0 ft ² | APP-TA | (Optional) APP-TA | APP-TA | -105.0 |
| SC-131 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Tekes 5 screws 6" o.c. or min. 2,500 psi structural concrete | Optional BP-AA or SBS-AA vapor barrier over concrete deck. One or more layers, any combination, loose laid | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 (#14 only) | 1 per 1.0 ft ² | SBS-TA | (Optional) SBS-TA | SBS-TA | -120.0 |
| SC-132 | Min. 22 ga., type B, Grade 80 steel; 6 ft span, Tekes/5, 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime | Note 2 | 1 per 1.0 ft ² | SBS-TA | (Optional) SBS-TA | SBS-TA | -127.5 |
| SELF-ADHERING BASE PLY: | | | | | | | | | |
| SC-133 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board | Note 2 | 1 per 2.7 ft ² | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, SBS-TA, APP-TA | -45.0* |

**TABLE 2D: 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 | Base Ply | Ply | Cap Ply | |
| SC-134 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | 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 | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -45.0* |
| SC-135 | Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination, min. 1.5-inch | Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board, EnergyGuard HD Plus Polyiso Cover Board | Note 2 | 1 per 2.0 ft ² | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -45.0* |
| SC-136 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | Note 2 | 1 per 2.0 ft ² | SBS-SA | (Optional) SBS-SA | SBS-SA | -45.0* |
| SC-137 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 2.0 ft ² | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -45.0* |
| SC-138 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 2.0-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 3.2 ft ² | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -45.0* |
| SC-139 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 2.0-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 2.0 ft ² | SBS-SA | (Optional) SBS-SA | SBS-SA | -45.0* |
| SC-140 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 1.6 ft ² | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -52.5 |
| SC-141 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 1.8 ft ² | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -52.5 |
| SC-142 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.25-inch SECUROCK Ultralight Coated Glass-Mat Roof Board | Note 2 | 1 per 1.3 ft ² | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -52.5 |
| SC-143 | Min. 22 ga., type B, Grade 50 steel; 6 ft span, 5/8" puddle welds, 6" o.c. or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch EnergyGuard Polyiso Insulation | Note 2 | 1 per 1.8 ft ² | SBS-SA | (Optional) SBS-TA | SBS-TA | -60.0 |
| SC-144 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | Note 2 | 1 per 1.3 ft ² | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -60.0 |

TABLE 2D: 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 | Base Ply | Ply | Cap Ply | |
| SC-145 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 2.0-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | Note 2 | 1 per 1.45 ft ² | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -60.0 |
| SC-146 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra | Note 2 | 1 per 1.8 ft ² | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -60.0 |
| SC-147 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 1.3 ft ² | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -60.0 |
| SC-148 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 (#14 only) | 1 per 1.8 ft ² | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -60.0 |
| SC-149 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch EnergyGuard Polyiso Insulation | Note 2 | 1 per 1.3 ft ² | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -67.5 |
| SC-150 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 1.3 ft ² | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -67.5 |
| VENTING SYSTEMS: | | | | | | | | | |
| SC-151 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch EnergyGuard Polyiso Insulation | Note 2 | 1 per 2.0 ft ² | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -45.0* |
| SC-152 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 2.0 ft ² | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -45.0* |
| SC-153 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 2.0-inch EnergyGuard RH | Note 2 | 1 per 2.9 ft ² | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -45.0* |
| SC-154 | 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. 2.5-inch EnergyGuard RA | Note 2 | 1 per 4.0 ft ² | GAFGLAS Stratavent Perforated Venting Base Sheet | BP-AA, SBS-AA | SBS-AA | -45.0* |
| SC-155 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 3-inch EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 3.2 ft ² | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -45.0* |

TABLE 2D: 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 | Base Ply | Ply | Cap Ply | |
| SC-156 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 2-inch EnergyGuard Polyiso Insulation | Note 2 | 1 per 3.2 ft2 | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -45.0* |
| SC-157 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 3-inch EnergyGuard Polyiso Insulation | Note 2 | 1 per 4.0 ft2 | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-AA | -45.0* |
| SC-158 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch EnergyGuard Polyiso Insulation | Note 2 | 1 per 2.0 ft2 | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -52.5 |
| SC-159 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, 5/8" dia. puddle welds 6" o.c. or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 2-inch EnergyGuard RH | Note 2 | 1 per 2.0 ft2 | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -52.5 |
| SC-160 | Min. 22 ga., type B, Grade 50 steel; 6 ft span, 5/8" puddle welds, 6" o.c. or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch EnergyGuard Polyiso Insulation | Note 2 | 1 per 1.8 ft2 | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -60.0 |
| SC-161 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, 5/8" dia. puddle welds 6" o.c. or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 2-inch EnergyGuard Polyiso Insulation | Note 2 | 1 per 2.0 ft2 | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -60.0 |
| SC-162 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 2-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 1.45 ft2 | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -67.5 |
| SC-163 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 3-inch EnergyGuard RH, EnergyGuard RN | Note 2 | 1 per 1.6 ft2 | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -67.5 |
| SC-164 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, 5/8" dia. puddle welds 6" o.c. or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 2-inch EnergyGuard Polyiso Insulation | Note 2 | 1 per 1.45 ft2 | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -75.0 |
| SC-165 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, 5/8" dia. puddle welds 6" o.c. or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard RH | Note 2 | 1 per 1.45 ft2 | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA (ASTM D6164, polyester only) | -82.5 |
| SC-166 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.25-inch DensDeck | Note 2 | 1 per 1.0 ft2 | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -82.5 |

TABLE 2D: 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 | Base Ply | Ply | Cap Ply | |
| SC-167 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Tek 5 screws 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 1.0 ft ² | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -97.5 |
| COLD-APPLIED SYSTEMS: | | | | | | | | | |
| SC-168 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | Note 2 | 1 per 2.0 ft ² | BP-CA | None | SBS-CA | -45.0* |
| SC-169 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 4.0 ft ² | SBS-CA | None | SBS-CA | -45.0* |
| SC-170 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch EnergyGuard RH or EnergyGuard RN | Note 2 | 1 per 2.0 ft ² | SBS-CA1 | None | SBS-CA1 | -45.0* |
| SC-171 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 2-inch EnergyGuard RH or EnergyGuard RN | Note 2 | 1 per 2.9 ft ² | SBS-CA1 | None | SBS-CA1 | -45.0* |
| SC-172 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 2.0 ft ² | SBS-CA1 | None | SBS-CA1 | -45.0* |
| SC-173 | Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board, EnergyGuard HD Plus Polyiso Cover Board | Note 2 | 1 per 2.0 ft ² | SBS-CA or SBS-CA1 | None | SBS-CA or SBS-CA1 | -45.0* |
| SC-174 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 (AccuTrac Flat Plate only) | 1 per 1.3 ft ² | SBS-CA1 | None | SBS-CA1 | -52.5 |
| SC-175 | Min. 22 ga., type B, Grade 50 steel; 6 ft span, 5/8" puddle welds, 6" o.c. or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch EnergyGuard Polyiso Insulation | Note 2 | 1 per 1.8 ft ² | SBS-CA1 | None | SBS-CA1 | -60.0 |
| SC-176 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN, EnergyGuard Polyiso Insulation | Note 2 | 1 per 1.3 ft ² | SBS-CA1 | None | SBS-CA1 | -67.5 |
| SC-177 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 2-inch EnergyGuard Polyiso Insulation | Note 2 | 1 per 1.8 ft ² | SBS-CA1 | None | SBS-CA1 | -67.5 |

**TABLE 2D: 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 | Base Ply | Ply | Cap Ply | |
| SC-178 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 1.3 ft ² | SBS-CA1 | None | SBS-CA1 | -67.5 |
| HYBRID HOT/COLD-APPLIED SYSTEMS: | | | | | | | | | |
| SC-179 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 4.0 ft ² | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -45.0* |
| SC-180 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Note 2 (AccuTrac Flat Plate) | 1 per 1.3 ft ² | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -52.5 |
| SC-181 | Min. 22 ga., type B, Grade 33 steel; 6 ft spans; #12 HWH Tek 5 screws at 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 2.0 ft ² | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -60.0 |
| SC-182 | Min. 22 ga., type B, Grade 33 steel; 6 ft spans; #12 HWH Tek 5 screws at 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 1.6 ft ² | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -82.5 |
| SC-183 | Min. 20 ga., type B, Grade 33 steel, min. 22 ga., type B, Grade 80 steel; 6 ft spans; #12 HWH Tek 5 screws at 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 1.6 ft ² | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -90.0 |
| SC-184 | Min. 20 ga., type B, Grade 33 steel, min. 22 ga., type B, Grade 80 steel; 6 ft spans; #12 HWH Tek 5 screws at 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination, loose laid | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 1.45 ft ² | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -97.5 |

‡ NOTE: As-tested steel deck performance under TAS 114, Appendix J indicates steel deck at max. 6 ft spans attached with 5/8" diameter puddle welds spaced 6" o.c. may be substituted for #12 HWH Tek 5 screws in the Table 2D assemblies up to a maximum design pressure of -82.5 psf. [Note 1.](#)

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

| System No. | Deck‡ (Note 1) | Base Insulation Layer | Top Insulation Layer | | | Roof Cover (Note 15) | | | MDP (psf) |
|--------------------------------|---|--|---|---|---------------------------|--------------------------------------|---------------------------|-------------------|------------------------------|
| | | | Type | Fastener (Note 2, Note 11) | Attach | Base Ply | Ply | Cap Ply | |
| SELF-ADHERING BASE PLY: | | | | | | | | | |
| SC-185 | Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered | Min. 1.5-inch EnergyGuard RH, loose laid, followed by min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board, EnergyGuard HD Plus Polyiso Cover Board | Note 2 | 1 per 2.0 ft ² | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -45.0* |
| COLD-APPLIED BASE PLY: | | | | | | | | | |
| SC-186 | Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered | Min. 1.5-inch EnergyGuard RH, loose laid, followed by min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board, EnergyGuard HD Plus Polyiso Cover Board | Note 2 | 1 per 2.0 ft ² | SBS-CA or SBS-CA1 | None | SBS-CA or SBS-CA1 | -45.0* |

TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-3: BONDED AND MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

| System No. | Deck (Note 1) | Base Insulation Layer | Top Insulation Layer | | | Roof Cover (Note 15) | | | MDP (psf) |
|--------------------------------|--|---|-------------------------------|--|---|--------------------------------------|-----------------------------|------------------|------------------------------|
| | | | Type | Adhesive & Fastener (Notes 6,7,8, Note 11) | Attach | Base Ply | Ply | Cap Ply | |
| CONVENTIONAL SYSTEMS: | | | | | | | | | |
| SC-187 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Tek 5 screws 6" o.c. or min. 2,500 psi structural concrete | Min. 2.0-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard Ultra, loose-laid | Min. 0.25-inch DensDeck Prime | Adhesive: LRF-XF Fastener: Drill-Tec XHD (steel only) or Drill-Tec #14 HD (concrete only) & Drill-Tec Plate | Adhesive: 12-inch o.c. Fastener: 1 per 1.3 ft ² | SBS-TA or APP-TA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -97.5 |
| SC-188 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Tek 5 screws 6" o.c. or min. 2,500 psi structural concrete | Min. 2.0-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN, Loose-Laid | Min. 0.25-inch DensDeck Prime | Adhesive: OB500 Fastener: Drill-Tec XHD (steel only) or Drill-Tec #14 HD (concrete only) & Drill-Tec Plate | Adhesive: 12-inch o.c. Fastener: 1 per 1.3 ft ² | SBS-TA or APP-TA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -97.5 |
| SELF-ADHERING BASE PLY: | | | | | | | | | |
| SC-189 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Tek 5 screws 6" o.c. or min. 2,500 psi structural concrete | Min. 2.0-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard Ultra, loose-laid | Min. 0.25-inch DensDeck Prime | Adhesive: LRF-XF Fastener: Drill-Tec XHD (steel only) or Drill-Tec #14 HD (concrete only) & Drill-Tec Plate | Adhesive: 12-inch o.c. Fastener: 1 per 1.3 ft ² | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -97.5 |

**TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-3: BONDED AND MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

| System No. | Deck (Note 1) | Base Insulation Layer | Top Insulation Layer | | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|--|--|-------------------------------|---|---|--------------------------------------|-----------------------------|------------------|------------------------------|
| | | | Type | Adhesive & Fastener (Notes 6,7,8, Note 11) | Attach | Base Ply | Ply | Cap Ply | |
| SC-190 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Tek's 5 screws 6" o.c. or min. 2,500 psi structural concrete | Min. 2.0-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN, Loose-Laid | Min. 0.25-inch DensDeck Prime | Adhesive: OB500 Fastener: Drill-Tec XHD (steel only) or Drill-Tec #14 HD (concrete only) & Drill-Tec Plate | Adhesive: 12-inch o.c. Fastener: 1 per 1.3 ft ² | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -97.5 |

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

| System No. | Deck‡ (Note 1) | Insulation Layer(s) (Note 3, Note 13) | Base or Anchor Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|------------------------------|---|---|---|---|---|--------------------------------------|----------------|------------------------------|
| | | | Base | Fastener (Note 2, Note 11) | Attach | Base Ply | Cap Ply | |
| CONVENTIONAL SYSTEMS: | | | | | | | | |
| SC-191 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet or GAFGLAS Stratavent Nailable Venting Base Sheet | Note 2 | 18-inch o.c. at min. 2-inch laps and 18-inch o.c. in three, equally spaced, staggered center rows | BP-AA, SBS-AA | SBS-AA | -45.0* |
| SC-192 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination | GAFGLAS #80 Ultima Base Sheet | Drill-Tec #12 DF Fastener (steel only) or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate | 18-inch o.c. at min. 2-inch laps and 18-inch o.c. in three, equally spaced, staggered center rows | BP-AA, SBS-AA | SBS-AA | -45.0* |
| SC-193 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet or GAFGLAS Stratavent Nailable Venting Base Sheet | Note 2 | 12-inch o.c. at min. 2-inch laps and 18-inch o.c. in three, equally spaced, staggered center rows | SBS-TA, APP-TA | SBS-TA, APP-TA | -45.0* |
| SC-194 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet or GAFGLAS Stratavent Nailable Venting Base Sheet | Note 2 | 12-inch o.c. at min. 3.5-inch laps and 12-inch o.c. in three, equally spaced, staggered center rows | SBS-AA | SBS-AA, SBS-TA | -45.0* |
| SC-195 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Optional BP-AA or SBS-AA vapor barrier over concrete deck. One or more layers, any combination insulation | Ruberoid Mop Smooth, Ruberoid Mop Smooth 1.5, Ruberoid Mop Plus Smooth | Note 2 | 18-inch o.c. at min. 3.5-inch laps | (Optional) SBS-TA | SBS-TA | -45.0* |

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

| System No. | Deck‡ (Note 1) | Insulation Layer(s) (Note 3, Note 13) | Base or Anchor Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|------------|---|---|---|---|---|--------------------------------------|----------------|------------------------------|
| | | | Base | Fastener (Note 2, Note 11) | Attach | Base Ply | Cap Ply | |
| SC-196 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination | Ruberoid Mop Smooth 1.5 | Note 2 | 18-inch o.c. at min. 3.5-inch laps | BP-AA, SBS-AA | SBS-AA | -45.0* |
| SC-197 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination | Ruberoid Mop Smooth 1.5 | Drill-Tec 2 in. Barbed Plate with Drill-Tec #12 (steel only) or #14 | Off-centered in the lap by 0.5-inch towards the sheet-edge and spaced 18-inch o.c. within the min. 4-inch wide, heat-welded laps | (Optional) SBS-TA | SBS-TA | -45.0* |
| SC-198 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination | Ruberoid Mop Smooth 1.5 | Drill-Tec Batten Bar with Drill-Tec #12 (steel only) or #14 | 18-inch o.c. within min. 4-inch wide, heat-welded laps | (Optional) SBS-TA | SBS-TA | -45.0* |
| SC-199 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination | Ruberoid HW Smooth | Drill-Tec 2 in. Barbed Plate with Drill-Tec #12 (steel only) or #14 | 12-inch o.c. within min. 4-inch wide, heat-welded laps | (Optional) SBS-TA | SBS-TA | -45.0* |
| SC-200 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | Optional BP-AA or SBS-AA vapor barrier over concrete deck. One or more layers, any combination insulation | Ruberoid Mop Smooth, Ruberoid Mop Smooth 1.5, Ruberoid Mop Plus Smooth | Note 2 | 12-inch o.c. at min. 3.5-inch laps | (Optional) SBS-TA | SBS-TA | -52.5 |
| SC-201 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination | Ruberoid Mop Smooth 1.5 | Drill-Tec 2 in. Barbed Plate with Drill-Tec #12 (steel only) or #14 | Off-centered in the lap by 0.5-inch towards the sheet-edge and spaced 12-inch o.c. within the min. 4-inch wide, heat-welded laps | (Optional) SBS-TA | SBS-TA | -52.5 |
| SC-202 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination | Ruberoid Mop Smooth 1.5 | Drill-Tec 2-3/8 in. Barbed XHD Plate or Drill-Tec Eyehook AccuSeam Plate with Drill-Tec XHD | Off-centered in the lap by 0.25-inch towards the sheet-edge and spaced 12-inch o.c. within the min. 5-inch wide, heat-welded laps | (Optional) SBS-TA | SBS-TA | -67.5 |
| SC-203 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination | Ruberoid Mop Smooth 1.5 | Drill-Tec Batten Bar with Drill-Tec XHD | 12-inch o.c. within min. 4-inch wide, heat-welded laps | (Optional) SBS-TA | SBS-TA | -67.5 |
| SC-204 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination | GAFGLAS #80 Ultima Base Sheet or GAFGLAS Stratavent Nailable Venting Base Sheet | Note 2 | 6-inch o.c. at min. 3.5-inch laps and 12-inch o.c. in three, equally spaced, staggered center rows | SBS-AA | SBS-AA, SBS-TA | -82.5 |

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

| System No. | Deck‡ (Note 1) | Insulation Layer(s) (Note 3, Note 13) | Base or Anchor Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|------------|--|---|--|---|--|--------------------------------------|----------------|------------------------------|
| | | | Base | Fastener (Note 2, Note 11) | Attach | Base Ply | Cap Ply | |
| SC-205 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination | GAFGLAS #80 Ultima Base Sheet | Drill-Tec #12 DF Fastener (steel only) or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate | 6-inch o.c. at min. 3.5-inch laps and 12-inch o.c. in three, equally spaced, staggered center rows | SBS-AA | SBS-AA, SBS-TA | -82.5 |
| SC-206 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination | GAFGLAS #80 Ultima Base Sheet | Note 2 or Drill-Tec #12 DF Fastener (steel only) or Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate | 6-inch o.c. at min. 3.5-inch laps and 12-inch o.c. in three, equally spaced, staggered center rows | SBS-TA, APP-TA | SBS-TA, APP-TA | -82.5 |
| SC-207 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination | GAFGLAS #75 | Note 2 (<i>Drill-Tec 3" Standard Steel Plate; Drill-Tec ASAP 3S (steel) or Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate only</i>) | 6-inch o.c. at min. 3.5-inch laps and 12-inch o.c. in three, equally spaced, staggered center rows | SBS-TA, APP-TA | SBS-TA, APP-TA | -82.5 |
| SC-208 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Tek 5 screws 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination | Ruberoid Mop Smooth 1.5 | Note 2 | 18-inch o.c. at min. 3.25-inch laps and 18-inch o.c. in two, equally spaced, staggered center rows | BP-AA, SBS-AA | SBS-AA | -105.0 |
| SC-209 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Tek 5 screws 6" o.c. or min. 2,500 psi structural concrete | Optional BP-AA or SBS-AA vapor barrier over concrete deck. One or more layers, any combination insulation | Ruberoid Mop Smooth, Ruberoid Mop Smooth 1.5, Ruberoid Mop Plus Smooth | Note 2 | 6-inch o.c. at min. 3.5-inch laps | (Optional) SBS-TA | SBS-TA | -112.5 |
| SC-210 | Min. 22 ga., type B, Grade 80 steel; 6 ft span, two (2) #12 HWH Tek 5 screws 6" o.c. | One or more layers, any combination, min. 3-inch thick | GAFGLAS #80 Ultima Base Sheet | Drill-Tec #12 DF Fastener, Drill-Tec #14 DF Fastener or Drill-Tec #15 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate | 6-inch o.c. at min. 3.5-inch laps and 6-inch o.c. in three, equally spaced, staggered center rows | SBS-TA | SBS-TA | -142.5 |
| SC-211 | Min. 2,500 psi structural concrete | One or more layers, any combination, min. 3-inch thick | GAFGLAS #80 Ultima Base Sheet | Drill-Tec #14 DF Fastener with Drill-Tec 3" DF Steel Insulation Plate | 6-inch o.c. at min. 3.5-inch laps and 6-inch o.c. in three, equally spaced, staggered center rows | SBS-TA | SBS-TA | -142.5 |
| SC-212 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Tek 5 screws 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination | GAFGLAS #80 Ultima Base Sheet | Note 2 | 6-inch o.c. at min. 3.5-inch laps and 6-inch o.c. in three, equally spaced, staggered center rows | (Optional) SBS-TA | SBS-TA | -150.0 |

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

| System No. | Deck‡ (Note 1) | Insulation Layer(s) (Note 3, Note 13) | Base or Anchor Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|--------------------------------|--|--|---|---|--|--------------------------------------|-----------------------|------------------------------|
| | | | Base | Fastener (Note 2, Note 11) | Attach | Base Ply | Cap Ply | |
| SC-213 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Tek 5 screws 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination | Ruberoid Mop Smooth 1.5 | Drill-Tec #14 Fastener with Drill-Tec 2 3/8 in. Barbed XHD Plate or Drill-Tec Eyehook AccuSeam Plate | 6-inch o.c. at min. 3.25-inch laps and 6-inch o.c. in three, equally spaced, staggered center rows | SBS-TA | SBS-TA | -150.0 |
| SC-214 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, two (2) #12 HWH Tek 5 screws 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination | GAFGLAS #75 | Note 2 (<i>Drill-Tec 3" Standard Steel Plate; Drill-Tec ASAP 35 (steel) or Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate only</i>) | 6-inch o.c. at min. 3.5-inch laps and 6-inch o.c. in three, equally spaced, staggered center rows | (Optional) Ruberoid HW Smooth | SBS-TA | -150.0 |
| SELF-ADHERING BASE PLY: | | | | | | | | |
| SC-215 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination | Liberty SBS Self-Adhering Base/Ply Sheet | Note 2 | 12-inch o.c. at min. 3.5-inch laps and 18-inch o.c. in one center row | (Optional) SBS-SA | SBS-SA | -45.0* |
| COLD-APPLIED SYSTEMS: | | | | | | | | |
| SC-216 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination | Ruberoid 20 Smooth | Note 2 | 12-inch o.c. at min. 3-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows | None | SBS-CA or SBS-CA1 | -45.0* |
| SC-217 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet | Note 2 | 12-inch o.c. at min. 2-inch laps and 12-inch o.c. in three, equally spaced, staggered center rows | None | SBS-CA | -45.0* |
| SC-218 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | One or more layers, any combination | Ruberoid Mop Smooth 1.5 | Note 2 | 24-inch o.c. at min. 3-inch laps and 24-inch o.c. in two, equally spaced, staggered center rows | None | SBS-CA or SBS-CA1 | -45.0 |
| SC-219 | Min. 22 ga., type B, Grade 33 steel; 6 ft span, #12 HWH Tek 5 screw 6" o.c. or min. 2,500 psi structural concrete | One or more layers, any combination | GAFGLAS #80 Ultima Base Sheet or GAFGLAS Stratavent Nailable Venting Base Sheet | Note 2 | 6-inch o.c. at min. 3.5-inch laps and 12-inch o.c. in three, equally spaced, staggered center rows | SBS-CA at 2.0 gal/sq. | SBS-CA at 2.0 gal/sq. | -82.5 |

‡ NOTE: As-tested steel deck performance under TAS 114, Appendix J indicates steel deck at max. 6 ft spans attached with 5/8" diameter puddle welds spaced 6" o.c. may be substituted for #12 HWH Tek 5 screws in the Table 2G assemblies up to a maximum design pressure of -82.5 psf. [Note 1.](#)

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

SEE [TABLE 11](#) FOR VAPOR BARRIER OPTIONS

| System No. | Deck (Note 1) | Base Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf) * |
|---|-------------------------------|--|--------------------------------------|--------------------------------------|--|--------------------------|-----------------------------|
| | | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| CONVENTIONAL SYSTEMS WITH BASE INSULATION LAYER ONLY | | | | | | | |
| C-1. | Primed structural concrete | Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) | Hot asphalt | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -140.0 |
| C-2. | Primed structural concrete | Min. 0.5-inch EnergyGuard Perlite Recover Board | Hot asphalt | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -165.0 |
| C-3. | Primed structural concrete | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | Hot asphalt | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -165.0 |
| C-4. | Primed structural concrete | Min. 1.5-inch EnergyGuard Composite | Hot asphalt | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA | SBS-AA, SBS-TA or APP-TA | -270.0 |
| C-5. | Structural concrete | Min. 0.25-inch DensDeck Prime | LRF-XF | SBS-TA | (Optional) One or more SBS-TA | SBS-TA | -300.0 |
| C-6. | Structural concrete | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | OB500 | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -165.0 |
| C-7. | Structural concrete | Min. 0.25-inch DensDeck Prime | OB500 | SBS-TA | (Optional) One or more SBS-TA | SBS-TA | -300.0 |
| SELF-ADHERING BASE PLY WITH BASE INSULATION LAYER ONLY | | | | | | | |
| C-8. | Primed structural concrete | Min. 1.5-inch EnergyGuard Ultra | Hot asphalt | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, SBS-TA, APP-TA | -90.0 |
| C-9. | Primed structural concrete | Min. 1.5-inch EnergyGuard RN | Hot asphalt | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-TA, APP-TA | -210.0 |
| C-10. | Primed structural concrete | Min. 1.5-inch EnergyGuard RA | Hot asphalt | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-TA, APP-TA | -217.5 |
| C-11. | Structural concrete | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-M | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -232.5 |
| C-12. | Structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation | LRF-M Canister | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -232.5 |
| C-13. | Structural concrete | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -137.5 |

**TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE INSULATION LAYER ONLY)***
SEE [TABLE 11](#) FOR VAPOR BARRIER OPTIONS

| System No. | Deck (Note 1) | Base Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* |
|--|-------------------------------|--|--------------------------------------|--|--------------------------------------|------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| C-14. | Structural concrete | Min. 0.5-inch EnergyGuard Polyiso Insulation | LRF-XF | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -180.0 |
| C-15. | Structural concrete | Min. 0.5-inch EnergyGuard Ultra | LRF-XF | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -232.5 |
| C-16. | Structural concrete | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board primed with Matrix 307 Premium Asphalt Primer or ASTM D41 primer | LRF-XF | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -285.0 |
| C-17. | Structural concrete | Min. 1.5-inch EnergyGuard RA or EnergyGuard RH | LRF-XF | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-TA, APP-TA | -217.5 |
| C-18. | Structural concrete | Min 0.5-inch Structodek High Density Fiberboard Roof Insulation | OB500, 6-inch o.c. | SBS-SA | (Optional) SBS-SA | SBS-SA | -110.0 |
| C-19. | Structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | SBS-SA | (Optional) SBS-SA | SBS-SA | -120.0 |
| C-20. | Structural concrete | Min. 0.25-inch DensDeck | OB500 | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -122.5 |
| C-21. | Structural concrete | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -137.5 |
| C-22. | Structural concrete | Min. 1-inch EnergyGuard RN | OB 500 | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -162.5 |
| C-23. | Structural concrete | Min. 0.25-inch SECUROCK Ultralight Coated Glass-Mat Roof Board | OB500 | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -165.0 |
| C-24. | Structural concrete | Min. 0.25-inch DensDeck primed with Matrix 307 Premium Asphalt Primer or ASTM D41 primer | OB500 | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -167.5 |
| C-25. | Structural concrete | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | OB500 | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -232.5 |
| C-26. | Structural concrete | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board primed with Matrix 307 Premium Asphalt Primer or ASTM D41 primer | OB500 | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -285.0 |
| VENTING SYSTEMS WITH BASE INSULATION LAYER ONLY | | | | | | | |
| C-27. | Primed structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -150.0 |
| C-28. | Primed structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -150.0 |

**TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE INSULATION LAYER ONLY)***
SEE [Notes 1, 2](#) FOR VAPOR BARRIER OPTIONS

| System No. | Deck (Note 1) | Base Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* |
|---|-------------------------------|---|--------------------------------------|--|--------------------------------------|------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| C-29. | Primed structural concrete | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) BP-AA, SBS-AA | SBS-AA | -150.0 |
| C-30. | Primed structural concrete | Min. 0.5-inch EnergyGuard RN | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | SBS-AA | SBS-AA | -172.5 |
| C-31. | Primed structural concrete | Min. 1.5-inch EnergyGuard Ultra | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -172.5 |
| C-32. | Primed structural concrete | Min. 1.5-inch EnergyGuard Ultra | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -172.5 |
| C-33. | Primed structural concrete | Min. 1-inch EnergyGuard RN | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-AA | -292.5 |
| COLD-APPLIED SYSTEMS WITH BASE INSULATION LAYER ONLY | | | | | | | |
| C-34. | Structural concrete | Min. 1.5-inch EnergyGuard RA or EnergyGuard RH | LRF-XF | SBS-CA1 | None | SBS-CA1 | -60.0 |
| C-35. | Structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN | OB500 | SBS-CA1 | None | SBS-CA1 | -60.0 |

**TABLE 3B: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE AND TOP INSULATION LAYERS)***
SEE [Notes 1, 2](#) FOR VAPOR BARRIER OPTIONS

| System No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* |
|--|-------------------------------|---|--------------------------------------|---|--------------------------------------|--------------------------------------|-------------------|------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| CONVENTIONAL SYSTEMS WITH POLYISOCYANURATE BASE INSULATION LAYER: | | | | | | | | | |
| C-36. | Primed structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA | (Optional) BP-AA | SBS-AA or SBS-TA | -112.5 |
| C-37. | Primed structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | Hot asphalt | Min. 0.25-inch DensDeck Prime | Hot asphalt | APP-TA | (Optional) APP-TA | APP-TA | -127.5 |

**TABLE 3b: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE AND TOP INSULATION LAYERS)***

SEE [TABLE 3a](#) FOR VAPOR BARRIER OPTIONS

| System No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* |
|------------|-------------------------------|--|--------------------------------------|--|--------------------------------------|--------------------------------------|--|--------------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| C-38. | Primed structural concrete | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | Hot asphalt | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation, EnergyGuard Perlite Recover Board, min. 0.75-inch EnergyGuard Perlite Roof Insulation, min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum Fiber Roof Board | Hot asphalt | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA | SBS-AA | -150.0 |
| C-39. | Primed structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) | Hot asphalt | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -172.5 |
| C-40. | Primed structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | Min. 0.5-inch EnergyGuard Perlite Recover Board | Hot asphalt | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -187.5 |
| C-41. | Primed structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | Hot asphalt | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA or SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -225.0 |
| C-42. | Primed structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | Hot asphalt | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | SBS-TA | (Optional) SBS-TA | SBS-TA | -232.5 |
| C-43. | Primed structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | APP-TA | (Optional) APP-TA | APP-TA | -240.0 |
| C-44. | Primed structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | Min. 0.25-inch DensDeck or DensDeck Prime | Hot asphalt | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -240.0 |
| C-45. | Primed structural concrete | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous), min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA or SBS-AA | (Optional) One or more BP-AA, SBS-AA, SBS-TA | SBS-AA, SBS-TA | -255.0 |
| C-46. | Primed structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | Min. 1.5-inch EnergyGuard Composite | Hot asphalt | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA | SBS-AA, SBS-TA or APP-TA | -270.0 |

TABLE 3b: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE AND TOP INSULATION LAYERS)*
 SEE [TABLE 3a](#) FOR VAPOR BARRIER OPTIONS

| System No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* |
|------------|-------------------------------|---|--------------------------------------|--|--------------------------------------|--------------------------------------|--|--------------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| C-47. | Primed structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | Hot asphalt | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -307.5 |
| C-48. | Structural concrete | Min. 0.5-inch EnergyGuard Polyiso Insulation | LRF-XF | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -180.0 |
| C-49. | Structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH or EnergyGuard Ultra | LRF-XF | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-XF | BP-AA or SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -187.5 |
| C-50. | Structural concrete | Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard RH | LRF-XF | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board, primed with Matrix 307 Premium Asphalt Primer | LRF-XF | SBS-TA | (Optional) SBS-TA | SBS-TA | -210.0 |
| C-51. | Structural concrete | Min. 2.0-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH or EnergyGuard Ultra | LRF-XF | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-XF | BP-AA or SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -225.0 |
| C-52. | Structural concrete | Min. 2.0-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard Ultra | LRF-XF | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -232.5 |
| C-53. | Structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH | LRF-XF | Min. 0.25-inch DensDeck Prime | LRF-XF | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -240.0 |
| C-54. | Structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard Ultra | LRF-XF | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -240.0 |
| C-55. | Structural concrete | Min. 1.5-inch EnergyGuard Ultra | LRF-XF | Min. 0.25-inch DensDeck Prime | LRF-XF | SBS-TA | (Optional) SBS-TA | SBS-TA | -300.0 |
| C-56. | Structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch DensDeck or DensDeck Prime | OB500 | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -150.0 |
| C-57. | Structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | OB500 | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -165.0 |

TABLE 3b: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE AND TOP INSULATION LAYERS)*
 SEE [TABLE 3a](#) FOR VAPOR BARRIER OPTIONS

| System No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* |
|---|-------------------------------|---|--------------------------------------|---|--------------------------------------|--------------------------------------|--|--------------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| C-58. | Structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA or SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -187.5 |
| C-59. | Structural concrete | Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard RH | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board, primed with Matrix 307 Premium Asphalt Primer | OB500 | SBS-TA | (Optional) SBS-TA | SBS-TA | -210.0 |
| C-60. | Structural concrete | Min. 2.0-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA or SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -225.0 |
| C-61. | Structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | OB500 | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -240.0 |
| C-62. | Structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | OB500 | Min. 0.25-inch DensDeck Prime | OB500 | SBS-TA | (Optional) SBS-TA | SBS-TA | -300.0 |
| SELF-ADHERING BASE PLY WITH POLYISOCYANURATE BASE INSULATION LAYER | | | | | | | | | |
| C-63. | Structural concrete | Min. 1.5-inch EnergyGuard RH | LRF-M | Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board, EnergyGuard HD Plus Polyiso Cover Board | LRF-M | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -97.5 |
| C-64. | Structural concrete | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-M | Min. 0.25-inch SECUROCK Ultralight Coated Glass-Mat Roof Board | LRF-M | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -165.0 |
| C-65. | Structural concrete | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-M | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board (optional Matrix 307 Premium Asphalt Primer) | LRF-M | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -232.5 |
| C-66. | Structural concrete | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-M | (Optional) Additional layer(s) base insulation | LRF-M | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -232.5 |
| C-67. | Structural concrete | Min. 1.5-inch EnergyGuard RH | LRF-M Canister | Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board, EnergyGuard HD Plus Polyiso Cover Board | LRF-M Canister | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -97.5 |
| C-68. | Structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation | LRF-M Canister | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board (optional Matrix 307 Premium Asphalt Primer) | LRF-M Canister | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -232.5 |

**TABLE 3b: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE AND TOP INSULATION LAYERS)***

SEE [TABLE 3a](#) FOR VAPOR BARRIER OPTIONS

| System No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* |
|------------|-------------------------------|---|--------------------------------------|--|--------------------------------------|--------------------------------------|-----------------------------|------------------|------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| C-69. | Structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation | LRF-M Canister | (Optional) Additional layer(s) base insulation | LRF-M Canister | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -232.5 |
| C-70. | Structural concrete | Min. 1.5-inch EnergyGuard RH | LRF-XF | Min. 0.5-inch EnergyGuard HD Polyiso Cover Board, EnergyGuard HD Plus Polyiso Cover Board | LRF-XF | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -97.5 |
| C-71. | Structural concrete | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-XF | Min. 0.25-inch DensDeck Prime | LRF-XF | SBS-SA | (Optional) SBS-SA | SBS-SA | -152.5 |
| C-72. | Structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH | LRF-XF | Min. 0.25-inch DensDeck Prime | LRF-XF | SBS-SA | (Optional) SBS-SA | SBS-SA | -152.5 |
| C-73. | Structural concrete | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-XF | (Optional) Additional layer(s) base insulation | LRF-XF | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -232.5 |
| C-74. | Structural concrete | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-XF | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board (optional Matrix 307 Premium Asphalt Primer) | LRF-XF | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -232.5 |
| C-75. | Structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH | LRF-XF | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -270.0 |
| C-76. | Structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH | LRF-XF | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board; surface shall be primed with Matrix 307 Premium Asphalt Primer or ASTM D41 primer | LRF-XF | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -285.0 |
| C-77. | Structural concrete | Min. 1.5-inch EnergyGuard RH | OB500 | Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board, EnergyGuard HD Plus Polyiso Cover Board | OB500 | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -97.5 |
| C-78. | Structural concrete | Min. 1-inch EnergyGuard RN | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -120.0 |
| C-79. | Structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch DensDeck | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -122.5 |
| C-80. | Structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch DensDeck Prime | OB500 | SBS-SA | (Optional) SBS-SA | SBS-SA | -152.5 |
| C-81. | Structural concrete | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, min. 1-inch EnergyGuard RN or min. 1.5-inch EnergyGuard RA or EnergyGuard RH | OB500 | Min. 0.25-inch SECUROCK Ultralight Coated Glass-Mat Roof Board | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -165.0 |

**TABLE 3b: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE AND TOP INSULATION LAYERS)***

SEE [TABLE 3a](#) FOR VAPOR BARRIER OPTIONS

| System No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* |
|---|-------------------------------|--|--------------------------------------|--|--------------------------------------|--|--------------------------------------|------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| C-82. | Structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch DensDeck; surface shall be primed with Matrix 307 Premium Asphalt Primer or ASTM D41 primer | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -167.5 |
| C-83. | Structural concrete | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board (optional Matrix 307 Premium Asphalt Primer) | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -232.5 |
| C-84. | Structural concrete | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | OB500 | (Optional) Additional layer(s) base insulation | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -232.5 |
| C-85. | Structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -270.0 |
| C-86. | Structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board; surface shall be primed with Matrix 307 Premium Asphalt Primer or ASTM D41 primer | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -285.0 |
| VENTING SYSTEMS WITH POLYISOCYANURATE BASE INSULATION LAYER: | | | | | | | | | |
| C-87. | Primed structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | Hot asphalt | Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -90.0 |
| C-88. | Primed structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | Hot asphalt | Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -90.0 |
| C-89. | Primed structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | Hot asphalt | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -90.0 |
| C-90. | Primed structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | Hot asphalt | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -90.0 |
| C-91. | Primed structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | (Optional) Additional layer(s) base insulation | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -150.0 |
| C-92. | Primed structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | (Optional) Additional layer(s) base insulation | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -150.0 |
| C-93. | Primed structural concrete | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | Hot asphalt | (Optional) Additional layer(s) base insulation | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) BP-AA, SBS-AA | SBS-AA | -150.0 |

**TABLE 3b: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE AND TOP INSULATION LAYERS)***

SEE [TABLE 3a](#) FOR VAPOR BARRIER OPTIONS

| System No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* |
|------------|-------------------------------|---|--------------------------------------|--|--------------------------------------|--|--------------------------------------|------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| C-94. | Primed structural concrete | Min. 1.5-inch EnergyGuard Ultra | Hot asphalt | (Optional) Additional layer(s) base insulation | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -172.5 |
| C-95. | Primed structural concrete | Min. 1.5-inch EnergyGuard Ultra | Hot asphalt | (Optional) Additional layer(s) base insulation | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -172.5 |
| C-96. | Primed structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | Hot asphalt | Min. 0.25-inch DensDeck or DensDeck Prime | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -240.0 |
| C-97. | Primed structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | Hot asphalt | Min. 0.25-inch DensDeck or DensDeck Prime | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -240.0 |
| C-98. | Structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH | LRF-XF | (Optional) Additional layer(s) base insulation | LRF-XF | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -150.0 |
| C-99. | Structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH | LRF-XF | (Optional) Additional layer(s) base insulation | LRF-XF | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -150.0 |
| C-100. | Structural concrete | Min. 1.5-inch EnergyGuard Ultra | LRF-XF | (Optional) Additional layer(s) base insulation | LRF-XF | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -172.5 |
| C-101. | Structural concrete | Min. 1.5-inch EnergyGuard Ultra | LRF-XF | (Optional) Additional layer(s) base insulation | LRF-XF | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -172.5 |
| C-102. | Structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation | LRF-XF | Min. 0.25-inch DensDeck Prime | LRF-XF | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -180.0 |
| C-103. | Structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation | LRF-XF | Min. 0.25-inch DensDeck Prime | LRF-XF | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -180.0 |
| C-104. | Structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard Ultra | LRF-XF | Min. 0.25-inch DensDeck Prime | LRF-XF | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -240.0 |
| C-105. | Structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard Ultra | LRF-XF | Min. 0.25-inch DensDeck Prime | LRF-XF | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -240.0 |

TABLE 3b: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE AND TOP INSULATION LAYERS)*
 SEE [TABLE 3a](#) FOR VAPOR BARRIER OPTIONS

| System No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* |
|--|-------------------------------|---|--------------------------------------|---|--------------------------------------|--|--------------------------------------|-------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| C-106. | Structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | OB500 | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | OB500 | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -90.0 |
| C-107. | Structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | OB500 | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | OB500 | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -90.0 |
| C-108. | Structural concrete | Min. 1.5-inch EnergyGuard Ultra | OB500 | (Optional) Additional layer(s) base insulation | OB500 | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -150.0 |
| C-109. | Structural concrete | Min. 1.5-inch EnergyGuard Ultra | OB500 | (Optional) Additional layer(s) base insulation | OB500 | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -150.0 |
| C-110. | Structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | OB500 | Min. 0.25-inch DensDeck or DensDeck Prime | OB500 | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -150.0 |
| C-111. | Structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | OB500 | Min. 0.25-inch DensDeck or DensDeck Prime | OB500 | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -150.0 |
| C-112. | Structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | (Optional) Additional layer(s) base insulation | OB500 | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -150.0 |
| C-113. | Structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | (Optional) Additional layer(s) base insulation | OB500 | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -150.0 |
| COLD-APPLIED SYSTEMS WITH POLYISOCYANURATE BASE INSULATION LAYER: | | | | | | | | | |
| C-114. | Structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RH | LRF-M, LRF-M Canister or M-OSFA | Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board, EnergyGuard HD Plus Polyiso Cover Board | LRF-M, LRF-M Canister or M-OSFA | SBS-CA or SBS-CA1 | None | SBS-CA or SBS-CA1 | -97.5 |
| C-115. | Structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RH | LRF-XF | Min. 0.5-inch EnergyGuard HD Polyiso Cover Board, EnergyGuard HD Plus Polyiso Cover Board | LRF-XF | SBS-CA or SBS-CA1 | None | SBS-CA or SBS-CA1 | -97.5 |

TABLE 3b: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE AND TOP INSULATION LAYERS)*
 SEE [TABLE 3a](#) FOR VAPOR BARRIER OPTIONS

| System No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* |
|---|-------------------------------|--|--------------------------------------|--|--------------------------------------|--------------------------------------|----------------------------|-------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| C-116. | Structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH | LRF-XF | Min. 0.25-inch DensDeck Prime | LRF-XF | SBS-CA1 | None | SBS-CA1 | -127.5 |
| C-117. | Structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH | LRF-XF | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-CA1 | None | SBS-CA1 | -172.5 |
| C-118. | Structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | OB500 | SBS-CA | None | SBS-CA | -45.0 |
| C-119. | Structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RH | OB500 | Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board, EnergyGuard HD Plus Polyiso Cover Board | OB500 | SBS-CA or SBS-CA1 | None | SBS-CA or SBS-CA1 | -97.5 |
| C-120. | Structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch DensDeck Prime | OB500 | SBS-CA1 | None | SBS-CA1 | -127.5 |
| C-121. | Structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-CA1 | None | SBS-CA1 | -172.5 |
| HYBRID COLD/HOT-APPLIED SYSTEMS WITH POLYISOCYANURATE BASE INSULATION LAYER: | | | | | | | | | |
| C-122. | Primed structural concrete | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous), min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -255.0 |
| C-123. | Structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation | LRF-XF | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -180.0 |
| C-124. | Structural concrete | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH | LRF-XF | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -240.0 |
| C-125. | Structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch DensDeck Prime | OB500 | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -127.5 |
| C-126. | Structural concrete | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -172.5 |

**TABLE 3b: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE AND TOP INSULATION LAYERS)***

SEE [TABLE 11](#) FOR VAPOR BARRIER OPTIONS

| System No. | Deck (Note 1) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* |
|---|----------------------------------|---|---|---|---|--------------------------------------|--|--------------------------|-------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| CONVENTIONAL SYSTEMS WITH POLYSTYRENE BASE INSULATION LAYER: | | | | | | | | | |
| C-127. | Structural concrete | Min. 2-inch Styrofoam Brand Roofmate or Highload 60 | OB500 | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -240.0 |
| C-128. | Structural concrete | Min. 2-inch Styrofoam Brand Roofmate or Highload 60 | OB500 | Min. 0.25-inch DensDeck or DensDeck Prime | OB500 | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -277.5 |
| SELF-ADHERING BASE PLY WITH POLYSTYRENE BASE INSULATION LAYER: | | | | | | | | | |
| C-129. | Structural concrete | Min. 2-inch Styrofoam Brand Roofmate or Highload 60 | OB500 | Min. 0.25-inch DensDeck Prime | OB500 | SBS-SA | (Optional) SBS-SA | SBS-SA | -152.5 |

**TABLE 3c: 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) |
|--------------------------------|----------------------------------|---|--|-----------------------------|------------------|------------------------------|
| | | | Base Ply | Ply | Cap Ply | |
| CONVENTIONAL SYSTEMS: | | | | | | |
| C-130. | Structural concrete | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | APP-TA | (Optional) APP-TA | APP-TA | -90.0* |
| C-131. | Structural concrete | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | (Optional) Ruberoid HW 25 Smooth, torch-applied | None | SBS-TA | -283.1* |
| C-132. | Structural concrete | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | BP-AA, SBS-AA | BP-AA, SBS-AA | SBS-AA | -442.5* |
| C-133. | Structural concrete | (Optional) Matrix 307 Premium Asphalt Primer or ASTM D41 primer | Ruberoid HW Smooth, torch-applied | (Optional) SBS-TA | SBS-TA | -465.0* |
| SELF-ADHERING BASE PLY: | | | | | | |
| C-134. | Structural concrete | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | SBS-SA | (Optional) SBS-SA | SBS-SA | -72.5* |
| C-135. | Structural concrete | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -140.0* |
| C-136. | Structural concrete | GAF SA Primer at 0.7 gal/square. | SBS-SA | None | SBS-SA | -287.5 |
| VENTING SYSTEMS: | | | | | | |
| C-137. | Structural concrete | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | GAFGLAS Stratavent Perforated Venting Base Sheet | BP-AA, SBS-AA | SBS-AA | -185.0* |
| COLD-APPLIED SYSTEMS: | | | | | | |
| C-138. | Structural concrete | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | BP-AA, BP-CA, SBS-CA | (Optional) SBS-CA | SBS-CA | -307.5 |

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

SEE [TABLE 3.6](#) FOR VAPOR BARRIER OPTIONS

| System No. | Deck (Note 1) | Lightweight Concrete (Note 14) | Base Insulation Layer | | Coverboard | | Roof Cover (Note 15) | | | MDP (psf)* |
|-------------------------------------|-------------------------------|---|--|--------------------------------------|---|--------------------------------------|--------------------------------------|--|--------------------------|----------------------------|
| | | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| ELASTIZELL (NOA 23-0817.05): | | | | | | | | | | |
| LWC-1. | Structural concrete | Elastizell Range II Lightweight Insulating Concrete (<i>min. 200 psi</i>) | (Optional) Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | OB500 | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | OB500 | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -225.0 |
| LWC-2. | Structural concrete | Elastizell Range II Lightweight Insulating Concrete (<i>min. 200 psi</i>) | (Optional) Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | OB500 | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -225.0 |
| LWC-3. | Structural concrete | Elastizell Range II Lightweight Insulating Concrete (<i>min. 200 psi</i>) | Min. 2.0-inch, min. 1.0 pcf, ASTM C578 expanded polystyrene | OB500 | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | OB500 | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -120.0 |
| LWC-4. | Structural concrete | Elastizell Range II Lightweight Insulating Concrete (<i>min. 200 psi</i>) | Min. 2-inch Styrofoam Brand Roofmate or Highload 60 | OB500 | Min. 0.25-inch DensDeck or DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -225.0 |

TABLE 4B: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

SEE [TABLE 3.6](#) FOR VAPOR BARRIER OPTIONS

| System No. | Deck (Note 1) | Lightweight Concrete (Note 14) | Anchor Sheet | | | Base Insulation | | Top Insulation | | Roof Cover (Note 15) | | | MDP (psf) |
|----------------------------------|---|---|---|---|--|--|--------------------------------------|---|--------------------------------------|--------------------------------------|--|------------------------|---------------------------|
| | | | Type | Fastener (Note 11) | Attach | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| CELCORE (NOA 23-0718.06): | | | | | | | | | | | | | |
| CONVENTIONAL SYSTEMS: | | | | | | | | | | | | | |
| LWC-5. | Min. 22 ga. type B, Grade 33 vented steel; 5-ft spans or min. 2,500 psi structural concrete | Celcore Cellular Concrete (min. 300 psi) with min. 1 pcf EPS board and min. 2-inch thick top coat | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, Stratavent Nailable Venting Base Sheet | Drill-Tec Base Sheet Fastener (1.7 in.) | 7-inch o.c. at the 3-inch lap and 7-inch o.c. in two equally spaced, staggered center rows | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso | Hot asphalt | Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous), Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board | Hot asphalt | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -75.0 |

TABLE 4b: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

SEE [TABLE 10](#) FOR VAPOR BARRIER OPTIONS

| System No. | Deck (Note 1) | Lightweight Concrete (Note 14) | Anchor Sheet | | | Base Insulation | | Top Insulation | | Roof Cover (Note 15) | | | MDP (psf) |
|--|--|---|---|---|--|--|--------------------------------------|--|--------------------------------------|--|--|------------------------|---------------------------|
| | | | Type | Fastener (Note 11) | Attach | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| LWC-6. | Min. 22 ga. type B, Grade 33 vented steel; 5-ft spans or min. 2,500 psi structural concrete | Celcore Cellular Concrete (min. 300 psi) with min. 1 pcf EPS board and min. 2-inch thick top coat | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, Stratavent Nailable Venting Base Sheet | Drill-Tec Base Sheet Fastener (1.7 in.) | 7-inch o.c. at the 3-inch lap and 7-inch o.c. in two equally spaced, staggered center rows | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso | Hot asphalt | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA, SBS-AA, SBS-TA, APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -75.0 |
| VENTING SYSTEMS: | | | | | | | | | | | | | |
| LWC-7. | Min. 22 ga. type B, Grade 33 vented steel; 5-ft spans or min. 2,500 psi structural concrete | Celcore Cellular Concrete (min. 300 psi) with min. 1 pcf EPS board and min. 2-inch thick top coat | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, Stratavent Nailable Venting Base Sheet | Drill-Tec Base Sheet Fastener (1.7 in.) | 7-inch o.c. at the 3-inch lap and 7-inch o.c. in two equally spaced, staggered center rows | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso | Hot asphalt | (Optional) Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | BP-AA, SBS-AA | SBS-AA, SBS-TA, APP-TA | -75.0* |
| PRE-EXISTENT CELLULAR LIGHTWEIGHT CONCRETE: | | | | | | | | | | | | | |
| COLD-APPLIED SYSTEMS: | | | | | | | | | | | | | |
| LWC-8. | Min. 22 ga. type BV, Grade 40 steel; 6 ft spans, 5/8" puddle welds 6" o.c. or min. 2,500 psi structural concrete | Min. 300 psi, min. 2-inch thick, pre-existent cellular lightweight insulating concrete; Note: MCRF , Drill-Tec Locking Impact Nail (1.4"), min. 120 lbf per Note 11 . | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet or Ruberoid 20 | Drill-Tec Locking Impact Nail (1.4") | 6-inch o.c. at the 3-inch wide laps and 6-inch o.c. at two (2) equally spaced, staggered center rows | Min. 2-inch EnergyGuard Polyiso Insulation | OB500 | (Optional) Additional layer(s) base insulation and/or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board, EnergyGuard HD Plus Polyiso Cover Board | OB500 | SBS-CA1 | None | SBS-CA1 | -52.5 |

**TABLE 4c: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY FASTENED BASE SHEET, BONDED ROOF COVER**

SEE [TABLE 1.10](#) FOR VAPOR BARRIER OPTIONS

| System No. | Deck (Note 1)† | Lightweight Concrete (Note 14) | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|---|--|---|---|--|---|--------------------------------------|--------------------------|---------------------------|
| | | | Type | Fastener (Note 11) | Attachment | Base Ply | Cap Ply | |
| CELCORE (NOA 23-0718.06): | | | | | | | | |
| CONVENTIONAL SYSTEMS: | | | | | | | | |
| LWC-9. | Min. 22 ga. type B, Grade 33 vented steel; 6 ft spans, attached 6" o.c. or min. 2,500 psi structural concrete | Celcore Cellular Concrete (min. 200 psi) with min. 1 pcf EPS board and min. 2-inch thick top coat | GAFGLAS Stratavent Nailable Venting Base Sheet | Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.) | 9-inch o.c. at min. 2-inch laps and 18-inch o.c. in two (2), equally spaced, staggered center rows | SBS-TA | SBS-TA | -45.0 |
| LWC-10. | Min. 22 ga. type B, Grade 33 vented steel; 5-ft spans, attached 6" o.c. or min. 2,500 psi structural concrete | Celcore Cellular Concrete (min. 200 psi) with min. 1 pcf EPS board and min. 2-inch thick top coat | Ruberoid Mop Granule, Tri-Ply SBS Granule (granules down) | Drill-Tec Locking Impact Nail | 7-inch o.c. at min. 4-inch side laps and 7-inch o.c. in two, equally spaced staggered center rows. | BP-AA or SBS-AA | SBS-AA, SBS-TA or APP-TA | -75.0 |
| LWC-11. | Min. 22 ga. type B, Grade 33 vented steel; 5-ft spans, attached 6" o.c. or min. 2,500 psi structural concrete | Celcore Cellular Concrete (min. 300 psi) with min. 1 pcf EPS board and min. 2-inch thick top coat | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet | Drill-Tec Base Sheet Fastener (1.7) | 7-inch o.c. at min. 3-inch side laps and 7-inch o.c. in two, equally spaced staggered center rows. | Two plies BP-AA or SBS-AA | SBS-AA | -75.0 |
| COLD-APPLIED SYSTEMS: | | | | | | | | |
| LWC-12. | Min. 22 ga., type B, Grade 33 steel; 6 ft spans; 5/8" puddle welds with washers at 6" o.c. or min. 2,500 psi structural concrete | Celcore Cellular Concrete (min. 300 psi) with min. 1 pcf EPS board and min. 2-inch thick top coat | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet | Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.) | 12-inch o.c. at min. 2-inch side laps and 12-inch o.c. at three (3) equally spaced staggered center rows. | SBS-CA | SBS-CA | -45.0 |
| LWC-13. | Min. 22 ga., type B, Grade 33 steel; 6 ft spans; 5/8" puddle welds with washers at 6" o.c. or min. 2,500 psi structural concrete | Celcore Cellular Concrete (min. 300 psi) with min. 1 pcf EPS board and min. 2-inch thick top coat | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet | Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.) | 9-inch o.c. at min. 2-inch laps and 18-inch o.c. in two (2), equally spaced, staggered center rows | SBS-CA | SBS-CA | -45.0 |
| LWC-14. | Min. 22 ga., type B, Grade 33 steel; 5 ft spans; 5/8" puddle welds with washers at 6" o.c. or min. 2,500 psi structural concrete | Celcore Cellular Concrete (min. 300 psi) with min. 1 pcf EPS board and min. 2-inch thick top coat | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet | Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.) | 7-inch o.c. at min. 3-inch side laps and 7-inch o.c. at two (2) equally spaced staggered center rows. | SBS-CA | SBS-CA | -75.0 |
| HYBRID HOT/COLD-APPLIED SYSTEMS: | | | | | | | | |

**TABLE 4c: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY FASTENED BASE SHEET, BONDED ROOF COVER**

SEE [TABLE 1.10](#) FOR VAPOR BARRIER OPTIONS

| System No. | Deck (Note 1) ‡ | Lightweight Concrete (Note 14) | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|-------------------------------------|--|---|---|--|---|--|--------------------------|---------------------------|
| | | | Type | Fastener (Note 11) | Attachment | Base Ply | Cap Ply | |
| LWC-15. | Min. 22 ga., type B, Grade 33 steel; 6 ft spans; 5/8" puddle welds with washers at 6" o.c. or min. 2,500 psi structural concrete | Celcore Cellular Concrete (min. 300 psi) with min. 1 pcf EPS board and min. 2-inch thick top coat | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet | Drill-Tec Base Sheet Fastener (1.7) | 12-inch o.c. at min. 2-inch side laps and 12-inch o.c. at three equally spaced staggered center rows. | BP-AA or SBS-AA | SBS-CA1 | -45.0 |
| LWC-16. | Min. 22 ga., type B, Grade 33 steel; 6 ft spans; 5/8" puddle welds with washers at 6" o.c. or min. 2,500 psi structural concrete | Celcore Cellular Concrete (min. 300 psi) with min. 1 pcf EPS board and min. 2-inch thick top coat | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet | Drill-Tec Base Sheet Fastener (1.7) | 9-inch o.c. at min. 2-inch side laps and 9-inch o.c. at two equally spaced staggered center rows. | BP-AA or SBS-AA | SBS-CA1 | -45.0 |
| LWC-17. | Min. 22 ga., type B, Grade 33 steel; 6 ft spans; 5/8" puddle welds with washers at 6" o.c. or min. 2,500 psi structural concrete | Celcore Cellular Concrete (min. 300 psi) with min. 1 pcf EPS board and min. 2-inch thick top coat | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet | Drill-Tec Base Sheet Fastener (1.7) | 7.5-inch o.c. at min. 2-inch side laps and 7.5-inch o.c. at one center row. | BP-AA or SBS-AA | SBS-CA1 | -45.0 |
| LWC-18. | Min. 22 ga., type B, Grade 33 steel; 6 ft spans; 5/8" puddle welds with washers at 6" o.c. or min. 2,500 psi structural concrete | Celcore Cellular Concrete (min. 300 psi) with min. 1 pcf EPS board and min. 2-inch thick top coat | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet | Drill-Tec Base Sheet Fastener (1.7) | 9-inch o.c. at min. 3-inch side laps and 18-inch o.c. at two equally spaced staggered center rows. | BP-AA or SBS-AA | SBS-CA1 | -45.0 |
| LWC-19. | Min. 22 ga., type B, Grade 33 steel; 5 ft spans; 5/8" puddle welds with washers at 6" o.c. or min. 2,500 psi structural concrete | Celcore Cellular Concrete (min. 300 psi) with min. 1 pcf EPS board and min. 2-inch thick top coat | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet | Drill-Tec Base Sheet Fastener (1.7) | 7-inch o.c. at min. 3-inch side laps and 7-inch o.c. at two equally spaced staggered center rows. | BP-AA or SBS-AA | SBS-CA1 | -75.0 |
| ELASTIZELL (NOA 23-0817.05): | | | | | | | | |
| LWC-20. | Min. 22 ga. type B, Grade 33 vented steel; 6 ft spans, attached 6" o.c. or min. 2,500 psi structural concrete | Elastizell Range II (min. 200 psi) with min. 1 pcf EPS board and min. 2-inch thick top coat | GAFGLAS Stratavent Nailable Venting Base Sheet | Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.) | 9-inch o.c. at min. 2-inch laps and 18-inch o.c. in two (2), equally spaced, staggered center rows | SBS-TA | SBS-TA | -45.0 |
| MEARLCRETE (NOA 19-0729.03): | | | | | | | | |
| CONVENTIONAL SYSTEMS: | | | | | | | | |
| LWC-21. | Min. 22 ga. type B, Grade 33 vented steel; 6 ft spans, attached 6" o.c. or min. 2,500 psi structural concrete | Mearlcrete (min. 300 psi) with min. 1 pcf EPS board and min. 2-inch thick top coat | Ruberoid Mop Plus Granule (granules down) | Drill-Tec Locking Impact Nail | 6-inch o.c. at min. 4-inch side laps and 9-inch o.c. in two, equally spaced staggered center rows. | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -45.0 |

**TABLE 4c: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY FASTENED BASE SHEET, BONDED ROOF COVER**

SEE [TABLE 1.10](#) FOR VAPOR BARRIER OPTIONS

| System No. | Deck (Note 1) ‡ | Lightweight Concrete (Note 14) | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|--|--|---|---|---|--|--|---|---------------------------|
| | | | Type | Fastener (Note 11) | Attachment | Base Ply | Cap Ply | |
| LWC-22. | Min. 22 ga. type B, Grade 33 vented steel; 6 ft spans, attached 6" o.c. or min. 2,500 psi structural concrete | Mearlcrete (min. 300 psi) with min. 1 pcf EPS board and min. 2-inch thick top coat | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet | Drill-Tec Base Sheet Fastener (1.2 in.) | 7.5-inch o.c. at min. 4-inch laps and 12-inch o.c. in three, equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -52.5 |
| LWC-23. | Min. 22 ga. type B, Grade 33 vented steel; 6 ft spans, attached 6" o.c. or min. 2,500 psi structural concrete | Mearlcrete (min. 300 psi) with min. 1 pcf EPS board and min. 2-inch thick top coat | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet | Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.) | 7-inch o.c. at min. 4-inch laps and 7-inch o.c. in two (2), equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -52.5 |
| LWC-24. | Structural concrete | Mearlcrete (min. 300 psi) with optional min. 1 pcf Corrugated EPS Holey Board and min. 2-inch thick top coat | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet | Drill-Tec Base Sheet Fastener (1.7) | 7-inch o.c. at min. 4-inch laps and 7-inch o.c. in two, equally spaced, staggered center rows | SBS-TA | SBS-TA | -52.5 |
| LWC-25. | Min. 22 ga. type B, Grade 33 vented steel; 6 ft spans, attached 6" o.c. or min. 2,500 psi structural concrete | Mearlcrete (min. 742 psi) min. 2-inch thick top coat | GAFGLAS Flex Ply 6, GAFGLAS FlexPly 6 M | Drill-Tec Base Sheet Fastener (1.2) | 7-inch o.c. at min. 4-inch side laps and 7-inch o.c. in two, equally spaced staggered center rows. | (Optional) BP-AA, SBS-AA | SBS-AA (polyester reinforced, D6164 only) | -52.5 |
| SELF-ADHERING BASE PLY: | | | | | | | | |
| LWC-26. | Min. 22 ga. type B, Grade 33 vented steel; 6 ft spans, attached 6" o.c. or min. 2,500 psi structural concrete | Mearlcrete (min. 300 psi) with min. 1 pcf EPS board and min. 2-inch thick top coat | StormSafe Anchor Sheet | Drill-Tec Base Sheet Fastener (1.2 in.) | 7.5-inch o.c. at min. 4-inch laps and 12-inch o.c. in three, equally spaced, staggered center rows | (Optional) SBS-SA | SBS-SA | -52.5 |
| PRE-EXISTENT CELLULAR LIGHTWEIGHT CONCRETE: | | | | | | | | |
| CONVENTIONAL SYSTEMS: | | | | | | | | |
| LWC-27. | Min. 22 ga. type B, Grade 33 steel; 6'-6" spans, attached 6" o.c. or min. 2,500 psi structural concrete | Min 250-300 psi pre-existent cellular LWC with min. 1 pcf EPS board and min. 2-inch thick top coat | Ruberoid Mop Smooth | #14 HD Drill-Tec fasteners and 2" Drill-Tec Double-Barbed Round Steel Plate (MCRF ≥ 154 lbf) | Fasten through LWC to structural deck 6-inch o.c. within 4-inch heat welded side laps | (Optional) SBS-TA | SBS-TA | -52.5 |
| LWC-28. | Min. 22 ga. type BV, Grade 33 steel; 6 ft spans, 5/8" puddle welds 6" o.c. or min. 2,500 psi structural concrete | Min. 340 psi, min. 2-inch thick pre-existent cellular lightweight insulating concrete; Note: To qualify the pre-existent LWIC under this assembly, the selected fastener shall achieve MCRF of 60 lbf or greater when tested per Note 11 . | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | Drill-Tec Base Sheet Fastener (1.7 in.), Drill-Tec Base Sheet Fastener E (1.7 in.) or Drill-Tec Locking Impact Nail | 7-inch o.c. at min. 4-inch side laps and 7-inch o.c. in two (2), equally spaced staggered center rows. | SBS-AA, SBS-TA | SBS-AA, SBS-TA, APP-TA | -52.5 |

**TABLE 4c: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY FASTENED BASE SHEET, BONDED ROOF COVER**

SEE [TABLE 1.10](#) FOR VAPOR BARRIER OPTIONS

| System No. | Deck (Note 1) ‡ | Lightweight Concrete (Note 14) | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|------------|---|--|---|--|--|--|--------------------------------|---------------------------|
| | | | Type | Fastener (Note 11) | Attachment | Base Ply | Cap Ply | |
| LWC-29. | Min. 22 ga. type BV, Grade 33 steel; 6 ft spans, 5/8" puddle welds 6" o.c. or min. 2,500 psi structural concrete | Min 200 psi pre-existent cellular LWC | Ruberoid Mop Smooth | Drill-Tec XHD Fastener with Drill-Tec Eyehook AccuSeam Plate, Drill-Tec 2-3/8 in. Barbed XHD Plate, Dekfast Galvalume Steel Round 2-3/8" 20-Ga. Barbed Plate or Trufast 2.4" Barbed Metal Seam Plate (MCRF ≥ 345 lbf) | <u>Fasten through LWC to structural deck</u> 12-inch o.c. within 5-inch wide, torched or heat-welded side laps | (Optional) SBS-TA | SBS-TA | -60.0 |
| LWC-30. | Min. 22 ga. type BV, Grade 33 steel; 6 ft spans, 5/8" puddle welds 6" o.c. or min. 2,500 psi structural concrete | Min 200 psi pre-existent cellular LWC | Ruberoid HW Smooth | Drill-Tec XHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate or Trufast 2.4" Barbed Metal Seam Plate (MCRF ≥ 345 lbf) | <u>Fasten through LWC to structural deck</u> 12-inch o.c. within 5-inch wide, torched or heat-welded side laps | (Optional) SBS-TA | SBS-TA | -60.0 |
| LWC-31. | Min. 22 ga. type B, Grade 33 steel; 6 ft spans, attached 6" o.c. or min. 2,500 psi structural concrete | Min 250-300 psi pre-existent cellular LWC with min. 1 pcf EPS board and min. 2-inch thick top coat | GAFGLAS Flex Ply 6, GAFGLAS FlexPly 6 M | Note 2 | <u>Fasten through LWC to structural deck</u> 12-inch o.c. at 4-inch side laps and 12-inch o.c. in two, equally spaced staggered center rows. | (Optional) BP-AA, SBS-AA | SBS-AA, SBS-TA | -67.5 |
| LWC-32. | Min. 22 ga., type BV, Grade 40; 6 ft spans; 5/8" puddle welds or #12 HWH Tek 5 screws 6" o.c. or min. 2,500 psi structural concrete | Re-Roof Only: Min. 210 psi, min. 2-inch thick pre-existent cellular lightweight insulating concrete; Note: To qualify the pre-existent LWIC under this assembly, the selected fastener shall achieve MCRF of 95 lbf or greater when tested per Note 11. | Ruberoid 20 Smooth | Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.), Drill-Tec Locking Impact Nail | 7-inch o.c. at min. 4-inch laps and 7-inch o.c. in two, equally spaced, staggered center rows | Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch applied | SBS-TA, APP-TA | -82.5 |
| LWC-33. | Min. 22 ga., type BV, Grade 40; 6 ft spans; 5/8" puddle welds or #12 HWH Tek 5 screws 6" o.c. or min. 2,500 psi structural concrete | Re-Roof Only: Min. 210 psi, min. 2-inch thick pre-existent cellular lightweight insulating concrete; Note: To qualify the pre-existent LWIC under this assembly, the selected fastener shall achieve MCRF of 95 lbf or greater when tested per Note 11. | GAFGLAS #80 Ultima Base Sheet or GAFGLAS Stratavent Nailable Venting Base Sheet | Drill-Tec Base Sheet Fastener (1.7 in.), Drill-Tec Locking Impact Nail | 7-inch o.c. at min. 4-inch laps and 7-inch o.c. in two, equally spaced, staggered center rows | Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch applied | SBS-TA, APP-TA | -82.5 |
| LWC-34. | Min. 22 ga. type B, Grade 33 steel; 5-ft spans, attached 6" o.c. or min. 2,500 psi structural concrete | Min 250 psi pre-existent cellular LWC with optional min. 1 pcf EPS board and min. 2-inch thick top coat. | Ruberoid HW Granule (granules down) | Note 2 (MCRF ≥ 192 lbf) | <u>Fasten through LWC to structural deck</u> 12-inch o.c. at 4-inch side laps and 12-inch o.c. in two, equally spaced staggered center rows. | (Optional) SBS-TA | SBS-TA (polyester, D6164 only) | -97.5 |

‡ NOTE: For steel deck application where specific deck attachment is not referenced, 'as-tested' attachment was not less than 5/8" puddle welds with weld-washers or #12 HWH Tek 5 screws spaced 6" o.c. Note 1.

TABLE 4D: LIGHTWEIGHT CONCRETE OVER STEEL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-1: THERMAL BARRIER TO DECK, VAPOR BARRIER TO THERMAL BARRIER, LWC TO VAPOR BARRIER, NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

| System No. | Deck (Note 1) | Thermal Barrier | | | Vapor Barrier | Lightweight Concrete (Note 14) | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|--|--|---|---|---------------------------|---------------|--|---|---|---|--|--------------------------|------------------------------|
| | | Type | Fasten (Note 2, Note 11) | Attach | | | Base | Fasten | Spacing | Base Ply | Cap | |
| MEARLCRETE (NOA 19-0729.03): | | | | | | | | | | | | |
| LWC-35. | Min. 22 ga. type BV, Grade 33 steel; 6 ft spans; #12 HWH Tek 5 screws, 6" o.c. | Min. 0.5-inch DensDeckPrime or SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 1.6 ft ² | SBS-TA | Min. 300 psi, min. 2-inch thick Mearlcrete | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet | Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.) | 7-inch o.c. at min. 4-inch laps and 7-inch o.c. in two (2), equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -52.5 |
| PRE-EXISTENT CELLULAR LIGHTWEIGHT CONCRETE: | | | | | | | | | | | | |
| LWC-36. | Min. 22 ga. type BV, Grade 33 steel; 6 ft spans; #12 HWH Tek 5 screws, 6" o.c. | Min. 0.5-inch DensDeckPrime or SECUROCK Gypsum-Fiber Roof Board | Note 2 | 1 per 1.6 ft ² | SBS-TA | Min. 340 psi, min. 2-inch thick pre-existent cellular lightweight insulating concrete; Note: To qualify the pre-existent LWIC under this assembly, the selected fastener shall achieve MCRF of 60 lbf or greater when tested per Note 11. | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth | Drill-Tec Base Sheet Fastener (1.7 in.), Drill-Tec Base Sheet Fastener E (1.7 in.) or Drill-Tec Locking Impact Nail | 7-inch o.c. at min. 4-inch laps and 7-inch o.c. in two (2), equally spaced staggered center rows. | SBS-AA, SBS-TA | SBS-AA, SBS-TA, APP-TA | -52.5 |

TABLE 4E: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER
 SEE [NOTE 10A](#) FOR VAPOR BARRIER OPTIONS

| System No. | Deck (Note 1) | Lightweight Concrete (Note 14) | Primer | Roof Cover (Note 15) | | | MDP (psf) |
|-------------------------------------|----------------------------------|---|--|--------------------------------------|------|---------|------------------------------|
| | | | | Base Ply | Ply | Cap Ply | |
| CELCORE (NOA 23-0718.06): | | | | | | | |
| LWC-37. | Structural concrete | Min. 250-300 psi Celcore Cellular Concrete | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | SBS-SA | None | SBS-TA | -52.5* |
| LWC-38. | Structural concrete | Min. 250-300 psi Celcore Cellular Concrete | TOPCOAT PRECOTE | SBS-SA | None | SBS-TA | -100.0* |
| ELASTIZELL (NOA 23-0817.05): | | | | | | | |
| LWC-39. | Structural concrete | Min. 250-300 psi Elastizell Lightweight Insulating Concrete | Matrix 307 Premium Asphalt Primer or ASTM D41 primer | SBS-SA | None | SBS-SA | -137.5* |

**TABLE 5A: CEMENTITIOUS WOOD FIBER 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 | | Roof Cover (Note 15) | | | MDP (psf) |
|--------------------------------|---|--|---|---|---|--------------------------------------|--|--------------------------|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| CONVENTIONAL SYSTEMS: | | | | | | | | | |
| CWF-1. | Existing Tectum (re-roof only) | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | OB500 | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -45.0* |
| CWF-2. | Existing Tectum (re-roof only) | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -45.0* |
| SELF-ADHERING BASE PLY: | | | | | | | | | |
| CWF-3. | Existing Tectum (re-roof only) | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -45.0* |

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

| System No. | Deck (Note 1) | Anchor Sheet | | | Base Insulation | | Top Insulation | | Roof Cover (Note 15) | | | MDP (psf) |
|------------------------------|----------------------------------|---|---|--|------------------------------------|---|--|---|--------------------------------------|--|----------------|------------------------------|
| | | Type | Fastener (Note 11) | Attach | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| CONVENTIONAL SYSTEMS: | | | | | | | | | | | | |
| CWF-4. | Existing Tectum (re-roof only) | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, #80 Ultima Base Sheet, Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth, Mop Smooth | Min. 1.8-inch Drill-Tec Locking Impact Nail | 9-inch o.c. at the 3-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows | (Optional) Min. 1-inch EnergyGuard | Hot asphalt | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA, SBS-AA, SBS-TA, APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-TA, APP-TA | -45.0* |
| CWF-5. | Existing Tectum (re-roof only) | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, #80 Ultima Base Sheet, Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth, Mop Smooth | Min. 1.8-inch Drill-Tec Locking Impact Nail | 9-inch o.c. at the 3-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows | (Optional) Min. 1-inch EnergyGuard | Hot asphalt | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) | Hot asphalt | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA, APP-TA | SBS-TA, APP-TA | -45.0* |

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

| System No. | Deck (Note 1) | Anchor Sheet | | | Base Insulation | | Top Insulation | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|--|---|---|---|--|---|--|---|--------------------------------------|-----------------------------|------------------|------------------------------|
| | | Type | Fastener (Note 11) | Attach | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| CFW-6. | Min. 2-inch Tectum I Plank; 3 ft span; OMG 2" Galvalume Plate and Drill-Tec Purlin Fastener; 2 parts per bearing | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, #80 Ultima Base Sheet, Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth, Mop Smooth | Min. 1.8-inch Drill-Tec Locking Impact Nail | 6-inch o.c. at the 4-inch lap and 6-inch o.c. in two, equally spaced, staggered center rows | Min. 1-inch EnergyGuard Polyiso Insulation | Hot asphalt | Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous), min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board or min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA | SBS-AA | -60.0 |
| CFW-7. | Min. 2-inch Tectum I Plank; 3 ft span; OMG 2" Galvalume Plate and Drill-Tec Purlin Fastener; 2 parts per bearing | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, #80 Ultima Base Sheet, Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth, Mop Smooth | Min. 1.8-inch Drill-Tec Locking Impact Nail | 6-inch o.c. at the 4-inch lap and 6-inch o.c. in two, equally spaced, staggered center rows | Min. 1-inch EnergyGuard Polyiso Insulation | Hot asphalt | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | SBS-TA or APP-TA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -60.0 |

**TABLE 5C: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY FASTEDED BASE SHEET, BONDED ROOF COVER**

| System No. | Deck (Note 1) | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|------------------------------|----------------------------------|---|--|--|--------------------------------------|--------------------------|------------------------------|
| | | Type | Fastener (Note 11) | Attachment | Base Ply | Cap Ply | |
| CONVENTIONAL SYSTEMS: | | | | | | | |
| CFW-8. | Existing Tectum (re-roof only) | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, #80 Ultima Base Sheet, Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth, Mop Smooth | Min. 1.8-inch Drill-Tec Locking Impact Nail | 9-inch o.c. at the 3-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows | BP-AA, SBS-AA | SBS-AA, SBS-TA or APP-TA | -45.0* |
| CFW-9. | Existing Tectum (re-roof only) | Ruberoid 20 Smooth | Drill-Tec LD Fastener and Drill-Tec LD Plate | 9-inch o.c. at the 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA or SBS-TA | SBS-AA or SBS-TA | -60.0 |
| CFW-10. | Existing Tectum (re-roof only) | Ruberoid HW 25 Smooth | Drill-Tec LD Fastener and Drill-Tec LD Plate | 9-inch o.c. at the 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows | (Optional) SBS-TA | SBS-TA | -60.0 |
| CFW-11. | Existing Tectum (re-roof only) | GAFGLAS Ply 4, GAFGLAS Ply 4 M, Tri-Ply Ply 4, GAFGLAS Flex Ply 6, GAFGLAS FlexPly 6 M, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet or Ruberoid 20 Smooth | Drill-Tec LD Fastener and Drill-Tec LD Plate | 7-inch o.c. at the 4-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA or SBS-TA | SBS-AA or SBS-TA | -67.5 |

**TABLE 5c: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY FASTEDED BASE SHEET, BONDED ROOF COVER**

| System No. | Deck (Note 1) | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|---|--|---|--|---|--------------------------------------|------------------|---------------------------|
| | | Type | Fastener (Note 11) | Attachment | Base Ply | Cap Ply | |
| CWF-12. | Existing Tectum (re-roof only) | Ruberoid HW 25 Smooth | Drill-Tec LD Fastener and Drill-Tec LD Plate | 7-inch o.c. at the 4-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows | (Optional) SBS-TA | SBS-TA | -67.5 |
| CWF-13. | Min. 2-inch Tectum I Plank; 3 ft span; OMG 2" Galvalume Plate and Drill-Tec Purlin Fastener; 2 parts per bearing | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, #80 Ultima Base Sheet, Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth, Mop Smooth | Min. 1.8-inch Drill-Tec Locking Impact Nail | 6-inch o.c. at the 4-inch lap and 6-inch o.c. in two, equally spaced, staggered center rows | (Optional) SBS-AA or SBS-TA | SBS-AA or SBS-TA | -75.0 |
| HYBRID HOT/COLD-APPLIED SYSTEMS: | | | | | | | |
| CWF-14. | Existing Tectum (re-roof only) | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet | Min. 1.8-inch Drill-Tec Locking Impact Nail | 9-inch o.c. at the 2-inch lap and 9-inch o.c. at two, equally spaced, staggered center rows | BP-AA or SBS-AA | SBS-CA1 | -45.0* |

TABLE 6A: 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 | | Roof Cover (Note 15) | | | MDP (psf) |
|--------------------------------|---|--|---|---|---|--------------------------------------|-----------------------------|------------------|------------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| CONVENTIONAL SYSTEMS: | | | | | | | | | |
| G-1. | Existing gypsum deck | Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-TA or APP-TA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -190.0* |
| SELF-ADHERING BASE PLY: | | | | | | | | | |
| G-2. | Existing gypsum deck | Min. 1-inch EnergyGuard Polyiso Insulation or EnergyGuard RH | OB500 | (Optional) Additional layer(s) of base insulation | OB500 | SBS-SA | None | SBS-SA | -87.5* |
| G-3. | Existing gypsum deck | Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -105.0* |
| G-4. | Existing gypsum deck | Min. 1-inch EnergyGuard Polyiso Insulation or EnergyGuard RN | OB500 | (Optional) Additional layer(s) of base insulation | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -147.5* |

TABLE 6B: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

| System No. | Deck (Note 1) | Anchor Sheet | | | Base Insulation | | Top Insulation | | Roof Cover (Note 15) | | | MDP (psf) |
|------------|----------------------------------|---|---|--|--|---|---|---|--|------------------|------------------|------------------------------|
| | | Type | Fastener (Note 11) | Attach | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| G-5. | Existing gypsum deck | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet | Min. 1.8-inch Drill-Tec Locking Impact Nail or Drill-Tec Base Sheet Fastener (1.2 in) (MCRF \geq 105 lbf) | 9-inch o.c. at the 2-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | Min. 0.5-inch EnergyGuard Perlite Recover Board or min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) | Hot asphalt | BP-AA or SBS-AA | BP-AA, SBS-AA | SBS-AA or SBS-TA | -45.0* |
| G-6. | Existing gypsum deck | GAFGLAS Stratavent Nailable Venting Base Sheet | Min. 1.8-inch Drill-Tec Locking Impact Nail (MCRF \geq 105 lbf) | 9-inch o.c. at the 2-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | None | N/A | GAFGLAS Stratavent Perforated Venting Base Sheet | Two plies SBS-AA | SBS-AA | -45.0* |

TABLE 6c: GYPSUM DECKS - REROOF (TEAR-OFF)
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 11) | Attach | Base Ply | Ply | Cap Ply | |
| G-7. | Existing gypsum deck | (Optional) One or more layers, any combination, loose laid | Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) | Drill-Tec Polymer Gyptec Fastener with Drill-Tec Gyptec Plate (MCRF \geq 166 lbf) | 1 per 1.3 ft2 | BP-AA or SBS-AA | (Optional) BP-AA, SBS-AA or SBS-TA | SBS-AA or SBS-TA | -62.5* |

TABLE 6D: GYPSUM DECKS - REROOF (TEAR-OFF)
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY FASTENED BASE SHEET, BONDED ROOF COVER

| System No. | Deck (Note 1) | Base Sheet | | | Roof Cover (Note 15) | | MDP (psf) |
|---|----------------------------------|---|--|---|--|--------------------------|------------------------------|
| | | Type | Fastener (Note 11) | Attachment | Base Ply | Cap Ply | |
| CONVENTIONAL SYSTEMS: | | | | | | | |
| G-8. | Existing gypsum deck | GAFGLAS Stratavent Nailable Venting Base Sheet | Drill-Tec Locking Impact Nail (MCRF \geq 105 lbf) | 9-inch o.c. at min. 2-inch laps and 18-inch o.c. in two, equally spaced, staggered center rows | BP-AA, SBS-AA | SBS-AA, SBS-TA or APP-TA | -45.0* |
| G-9. | Existing gypsum deck | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet | Drill-Tec Base Sheet Fastener (1.2 in.) (MCRF \geq 105 lbf) | 9-inch o.c. at min. 2-inch laps and 18-inch o.c. in two, equally spaced, staggered center rows | SBS-TA | SBS-TA | -45.0* |
| G-10. | Existing gypsum deck | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet or GAFGLAS Stratavent Nailable Venting Base Sheet | Drill-Tec Base Sheet Fastener (1.2 in.) (MCRF \geq 93 lbf) | 9-inch o.c. at min. 2-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -50.0* |
| G-11. | Existing gypsum deck | Ruberoid 20 Smooth | Drill-Tec LD Fastener and Drill-Tec LD Plate (MCRF \geq 106 lbf) | 9-inch o.c. at the 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA or SBS-TA | SBS-AA or SBS-TA | -60.0 |
| G-12. | Existing gypsum deck | Ruberoid HW 25 Smooth | Drill-Tec LD Fastener and Drill-Tec LD Plate (MCRF \geq 106 lbf) | 9-inch o.c. at the 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows | (Optional) SBS-TA | SBS-TA | -60.0 |
| G-13. | Existing gypsum deck | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet or GAFGLAS Stratavent Nailable Venting Base Sheet | Drill-Tec Base Sheet Fastener (1.2 in.) (MCRF \geq 67 lbf) | 9-inch o.c. at min. 2-inch laps and 9-inch o.c. in three, equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -57.5* |
| G-14. | Existing gypsum deck | GAFGLAS Ply 4, GAFGLAS Ply 4 M, Tri-Ply Ply 4, GAFGLAS Flex Ply 6, GAFGLAS FlexPly 6 M, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet or Ruberoid 20 Smooth | Drill-Tec LD Fastener and Drill-Tec LD Plate (MCRF \geq 77 lbf) | 7-inch o.c. at the 4-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA or SBS-TA | SBS-AA or SBS-TA | -67.5 |
| G-15. | Existing gypsum deck | Ruberoid HW 25 Smooth | Drill-Tec LD Fastener and Drill-Tec LD Plate (MCRF \geq 77 lbf) | 7-inch o.c. at the 4-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows | (Optional) SBS-TA | SBS-TA | -67.5 |
| HYBRID HOT/COLD-APPLIED SYSTEMS: | | | | | | | |
| G-16. | Existing gypsum deck | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet | Drill-Tec Locking Impact Nail (MCRF \geq 105 lbf) | 9-inch o.c. at min. 2-inch laps and 18-inch o.c. at two, equally spaced, staggered center rows | BP-AA or SBS-AA | SBS-CA1 | -45.0* |
| G-17. | Existing gypsum deck | GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet | Drill-Tec Locking Impact Nail (MCRF \geq 88 lbf) | 7.5-inch o.c. at min. 2-inch laps and 7.5-inch o.c. at one center rows | BP-AA or SBS-AA | SBS-CA1 | -45.0* |

TABLE 7A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE INSULATION LAYER ONLY)*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop 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 | | Roof Cover (Note 15) | | | MDP (psf) ^A |
|---|--|---|-------------------------|----------------------|--|--------------------------|---------------------------|
| | | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| CONVENTIONAL SYSTEMS WITH BASE INSULATION LAYER ONLY | | | | | | | |
| R-1. | Existing asphaltic roof cover | Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) | Hot asphalt | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -140.0 |
| R-2. | Existing asphaltic roof cover | Min. 0.5-inch EnergyGuard Perlite Recover Board | Hot asphalt | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -165.0 |
| R-3. | Existing asphaltic roof cover | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | Hot asphalt | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -165.0 |
| R-4. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard Composite | Hot asphalt | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA | SBS-AA, SBS-TA or APP-TA | -240.0 |
| R-5. | Existing granule surface cap sheet | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -240.0 |
| R-6. | New or existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-M Canister | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -240.0 |
| R-7. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -110.0 |
| R-8. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF, 6-inch o.c. | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -157.5 |
| R-9. | Existing asphaltic roof cover | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -180.0 |
| R-10. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF, 4-inch o.c. | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -180.0 |
| R-11. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch DensDeck Prime | LRF-XF, 4-inch o.c. | SBS-TA | (Optional) SBS-TA | SBS-TA | -200.0 |
| R-12. | Existing asphaltic roof cover | Min. 0.25-inch DensDeck Prime | LRF-XF | SBS-TA | (Optional) SBS-TA | SBS-TA | -245.0 |
| R-13. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | OB500 | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -110.0 |
| R-14. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -110.0 |

TABLE 7A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE INSULATION LAYER ONLY)*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop 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 | | Roof Cover (Note 15) | | | MDP (psf) ^A |
|---|---|---|-------------------------|----------------------|--|--------------------------|---------------------------|
| | | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-15. | Existing asphaltic roof cover | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | OB500 | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -120.0 |
| R-16. | Existing asphaltic roof cover | Min. 0.25-inch DensDeck Prime | OB500 | SBS-TA | (Optional) One or more SBS-TA | SBS-TA | -120.0 |
| R-17. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | OB500, 6-inch o.c. | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -157.5 |
| R-18. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500, 6-inch o.c. | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -157.5 |
| R-19. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | OB500, 4-inch o.c. | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -165.0 |
| R-20. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500, 4-inch o.c. | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -200.0 |
| R-21. | Existing granule surface cap sheet | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500, 6-inch o.c. | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -240.0 |
| SELF-ADHERING BASE PLY WITH BASE INSULATION LAYER ONLY | | | | | | | |
| R-22. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard Ultra | Hot asphalt | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-SA, SBS-TA, APP-TA | -90.0 |
| R-23. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard RN | Hot asphalt | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-TA, APP-TA | -210.0 |
| R-24. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard RA | Hot asphalt | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-TA, APP-TA | -217.5 |
| R-25. | Existing smooth-surface BUR | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-M, M-OSFA | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -75.0 |
| R-26. | Existing smooth surfaced BUR or granule surface roof cover | Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board, EnergyGuard HD Plus Polyiso Cover Board | LRF-M, M-OSFA | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -75.0 |
| R-27. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-M | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -110.0 |
| R-28. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-M, 6-inch o.c. | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -157.5 |

TABLE 7A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE INSULATION LAYER ONLY)*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop 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 | | Roof Cover (Note 15) | | | MDP (psf)* ^A |
|------------|--|--|---|--|-----------------------------------|------------------|--|
| | | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-29. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-M, 4-inch o.c. | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -200.0 |
| R-30. | Existing granule-surface BUR or modified bitumen or smooth-surface SBS modified bitumen | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-M, M-OSFA | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -225.0 |
| R-31. | New or existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-M Canister | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -137.5 |
| R-32. | New or existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch EnergyGuard RN | LRF-M Canister | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -162.5 |
| R-33. | New or existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch EnergyGuard RA or EnergyGuard RH | LRF-M Canister | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-TA, APP-TA | -217.5 |
| R-34. | New or existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch EnergyGuard Polyiso Insulation | LRF-M Canister | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -232.5 |
| R-35. | New or existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board primed with Matrix 307 Premium Asphalt Primer or ASTM D41 primer | LRF-M Canister | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -285.0 |
| R-36. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard RA | LRF-XF | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-TA, APP-TA | -110.0 |
| R-37. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -110.0 |
| R-38. | Existing asphaltic roof cover | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -120.0 |
| R-39. | Existing asphaltic roof cover | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board primed with Matrix 307 Premium Asphalt Primer or ASTM D41 primer | LRF-XF | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -120.0 |
| R-40. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-XF, 6-inch o.c. | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -137.5 |
| R-41. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard RA | LRF-XF, 6-inch o.c. | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-TA, APP-TA | -157.5 |

TABLE 7A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE INSULATION LAYER ONLY)*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop 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 | | Roof Cover (Note 15) | | | MDP (psf) ^{*A} |
|------------|---|---|---|--|-----------------------------------|------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-42. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch DensDeck primed with Matrix 307 Premium Asphalt Primer or ASTM D41 primer | LRF-XF, 6-inch o.c. | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -157.5 |
| R-43. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board primed with Matrix 307 Premium Asphalt Primer or ASTM D41 primer | LRF-XF, 6-inch o.c. | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -157.5 |
| R-44. | Existing smooth- or granule-surface BUR or modified bitumen | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-XF | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -180.0 |
| R-45. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board primed with Matrix 307 Premium Asphalt Primer or ASTM D41 primer | LRF-XF, 4-inch o.c. | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -180.0 |
| R-46. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard RA | LRF-XF, 4-inch o.c. | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-TA, APP-TA | -200.0 |
| R-47. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard RA | LRF-XF | SBS-SA | (Optional) SBS-SA, SBS-TA, APP-TA | SBS-TA, APP-TA | -217.5 |
| R-48. | Existing smooth surfaced BUR / APP modified bitumen or granule surface roof cover over structural concrete deck | Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board, EnergyGuard HD Plus Polyiso Cover Board | OB500 | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -97.5 |
| R-49. | Existing asphaltic roof cover or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min 0.5-inch Structodek High Density Fiberboard Roof Insulation | OB500, 6-inch o.c. | SBS-SA | (Optional) SBS-SA | SBS-SA | -110.0 |
| R-50. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | SBS-SA | (Optional) SBS-SA | SBS-SA | -110.0 |
| R-51. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch DensDeck primed with Matrix 307 Premium Asphalt Primer or ASTM D41 primer | OB500 | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -110.0 |
| R-52. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard RN, Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -110.0 |

TABLE 7A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE INSULATION LAYER ONLY)*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop 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 | | Roof Cover (Note 15) | | | MDP (psf)* ^A |
|------------|---|---|-------------------------|----------------------|-----------------------------|------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-53. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | SBS-SA | (Optional) SBS-SA | SBS-SA | -120.0 |
| R-54. | Existing asphaltic roof cover | Min. 0.25-inch DensDeck, optionally primed with Matrix 307 Premium Asphalt Primer or ASTM D41 primer | OB500 | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -120.0 |
| R-55. | Existing asphaltic roof cover | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -120.0 |
| R-56. | Existing asphaltic roof cover | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board primed with Matrix 307 Premium Asphalt Primer or ASTM D41 primer | OB500 | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -120.0 |
| R-57. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500, 6-inch o.c. | SBS-SA | (Optional) SBS-SA | SBS-SA | -120.0 |
| R-58. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch DensDeck | OB500, 6-inch o.c. | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -122.5 |
| R-59. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500, 6-inch o.c. | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -137.5 |
| R-60. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch DensDeck primed with Matrix 307 Premium Asphalt Primer or ASTM D41 primer | OB500, 6-inch o.c. | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -157.5 |
| R-61. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard RN, Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board primed with Matrix 307 Premium Asphalt Primer or ASTM D41 primer | OB500, 6-inch o.c. | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -157.5 |
| R-62. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard RN | OB500, 4-inch o.c. | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -162.5 |
| R-63. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch DensDeck primed with Matrix 307 Premium Asphalt Primer or ASTM D41 primer | OB500, 4-inch o.c. | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -167.5 |
| R-64. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board primed with Matrix 307 Premium Asphalt Primer or ASTM D41 primer | OB500, 4-inch o.c. | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -200.0 |

TABLE 7A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE INSULATION LAYER ONLY)*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop 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 | | Roof Cover (Note 15) | | | MDP (psf)* ^A |
|--|--|---|---|--|--------------------------------------|------------------|--|
| | | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-65. | Existing smooth- or granule-surface BUR or modified bitumen | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -225.0 |
| VENTING SYSTEMS WITH BASE INSULATION LAYER ONLY | | | | | | | |
| R-66. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -150.0 |
| R-67. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -150.0 |
| R-68. | Existing smooth- or granule-surface BUR, granule-surface modified bitumen or smooth-surface SBS modified bitumen | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -150.0 |
| R-69. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard Ultra | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -172.5 |
| R-70. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard Ultra | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -172.5 |
| R-71. | Existing smooth-surface BUR | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-M, M-OSFA | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -75.0 |
| R-72. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-M | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -110.0 |
| R-73. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-M, 6-inch o.c. | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -157.5 |
| R-74. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-M, 4-inch o.c. | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -200.0 |
| R-75. | Existing granule-surface BUR or modified bitumen or smooth-surface SBS modified bitumen | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-M, M-OSFA | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -225.0 |
| R-76. | New or existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch EnergyGuard Polyiso Insulation | LRF-M Canister | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -225.0 |
| R-77. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-XF | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -110.0 |
| R-78. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-XF, 6-inch o.c. | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -157.5 |

TABLE 7A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE INSULATION LAYER ONLY)*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop 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 | | Roof Cover (Note 15) | | | MDP (psf) ^A |
|---|--|---|-------------------------|--|--------------------------------------|-------------------|---------------------------|
| | | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-79. | Existing smooth- or granule-surface BUR or modified bitumen | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-XF | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -180.0 |
| R-80. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-XF, 4-inch o.c. | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -200.0 |
| R-81. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | OB500 | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -110.0 |
| R-82. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | OB500, 6-inch o.c. | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -157.5 |
| R-83. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | OB500, 4-inch o.c. | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -200.0 |
| R-84. | Existing smooth- or granule-surface BUR or modified bitumen | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | OB500 | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -225.0 |
| COLD-APPLIED SYSTEMS WITH BASE INSULATION LAYER ONLY | | | | | | | |
| R-85. | Existing mineral surface cap or asphalt BUR | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | SBS-CA1 | None | SBS-CA1 | -127.5 |
| R-86. | Existing mineral surface cap | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | SBS-CA1 | None | SBS-CA1 | -172.5 |
| R-87. | Existing smooth surfaced BUR or granule surface roof cover | Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board, EnergyGuard HD Plus Polyiso Cover Board | LRF-M, M-OSFA | SBS-CA or SBS-CA1 | None | SBS-CA or SBS-CA1 | -75.0 |
| R-88. | New or existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board | LRF-M Canister | SBS-CA or SBS-CA1 | None | SBS-CA or SBS-CA1 | -97.5 |
| R-89. | New or existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 0.25-inch DensDeck Prime | LRF-M Canister | SBS-CA1 | None | SBS-CA1 | -127.5 |
| R-90. | New or existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-M Canister | SBS-CA1 | None | SBS-CA1 | -172.5 |
| R-91. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-CA1 | None | SBS-CA1 | -110.0 |
| R-92. | Existing asphalt BUR | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-CA1 | None | SBS-CA1 | -120.0 |

TABLE 7A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE INSULATION LAYER ONLY)*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop 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 | | Roof Cover (Note 15) | | | MDP (psf) ^{*A} |
|--|---|---|---|--|----------------------------|-------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-93. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch DensDeck Prime | LRF-XF, 6-inch o.c. | SBS-CA1 | None | SBS-CA1 | -127.5 |
| R-94. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-XF, 6-inch o.c. | SBS-CA1 | None | SBS-CA1 | -157.5 |
| R-95. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-XF, 4-inch o.c. | SBS-CA1 | None | SBS-CA1 | -172.5 |
| R-96. | Existing smooth APP, mineral surface cap, asphaltic BUR or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | SBS-CA1 | None | SBS-CA1 | -60.0 |
| R-97. | Existing smooth surfaced BUR / APP modified bitumen, granule surface roof cover or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel over structural concrete deck | Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board, EnergyGuard HD Plus Polyiso Cover Board | OB500 | SBS-CA or SBS-CA1 | None | SBS-CA or SBS-CA1 | -97.5 |
| R-98. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-CA1 | None | SBS-CA1 | -110.0 |
| R-99. | Existing asphalt BUR | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-CA1 | None | SBS-CA1 | -120.0 |
| R-100. | Existing smooth APP or mineral surface cap | Min. 0.25-inch DensDeck Prime | OB500 | SBS-CA1 | None | SBS-CA1 | -127.5 |
| R-101. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch DensDeck Prime | OB500, 6-inch o.c. | SBS-CA1 | None | SBS-CA1 | -127.5 |
| R-102. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500, 6-inch o.c. | SBS-CA1 | None | SBS-CA1 | -157.5 |
| R-103. | Existing smooth APP | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-CA1 | None | SBS-CA1 | -165.0 |
| R-104. | Existing mineral surface cap | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-CA1 | None | SBS-CA1 | -172.5 |
| R-105. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500, 4-inch o.c. | SBS-CA1 | None | SBS-CA1 | -172.5 |
| HYBRID HOT/COLD-APPLIED SYSTEMS WITH BASE INSULATION LAYER ONLY | | | | | | | |
| R-106. | Existing mineral surface cap or asphalt BUR | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -127.5 |

TABLE 7A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE INSULATION LAYER ONLY)*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop 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 | | Roof Cover (Note 15) | | | MDP (psf)* ^A |
|------------|--|---|---|--|----------------------------|---------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-107. | Existing mineral surface cap | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -172.5 |
| R-108. | New or existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 0.25-inch DensDeck Prime | LRF-M Canister | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -127.5 |
| R-109. | New or existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-M Canister | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -172.5 |
| R-110. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -110.0 |
| R-111. | Existing asphalt BUR | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -120.0 |
| R-112. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch DensDeck Prime | LRF-XF, 6-inch o.c. | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -127.5 |
| R-113. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-XF, 6-inch o.c. | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -157.5 |
| R-114. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-XF, 4-inch o.c. | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -172.5 |
| R-115. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -110.0 |
| R-116. | Existing asphalt BUR | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -120.0 |
| R-117. | Existing smooth APP or mineral surface cap | Min. 0.25-inch DensDeck Prime | OB500 | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -127.5 |
| R-118. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch DensDeck Prime | OB500, 6-inch o.c. | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -127.5 |
| R-119. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500, 6-inch o.c. | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -157.5 |
| R-120. | Existing smooth APP | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -165.0 |
| R-121. | Existing mineral surface cap | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -172.5 |
| R-122. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500, 4-inch o.c. | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -172.5 |

TABLE 7b: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE AND TOP LAYER INSULATION)*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop 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.

| Sys No. | Substrate (Note 1 , Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* ^A |
|--|--|---|---|--|---|--|--|--------------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| CONVENTIONAL SYSTEMS (BASE AND TOP LAYER INSULATION): | | | | | | | | | |
| R-123. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA | (Optional) BP-AA | SBS-AA or SBS-TA | -112.5 |
| R-124. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -127.5 |
| R-125. | Existing smooth- or granule-surface BUR, granule-surface modified bitumen or smooth-surface SBS modified bitumen | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | Hot asphalt | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation, EnergyGuard Perlite Recover Board, min. 0.75-inch EnergyGuard Perlite Roof Insulation, min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum Fiber Roof Board | Hot asphalt | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA | SBS-AA | -150.0 |
| R-126. | Existing granule surface cap sheet | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -172.5 |
| R-127. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) | Hot asphalt | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -172.5 |
| R-128. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | Min. 0.5-inch EnergyGuard Perlite Recover Board | Hot asphalt | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -187.5 |
| R-129. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | Hot asphalt | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA or SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -225.0 |
| R-130. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | Hot asphalt | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | SBS-TA | (Optional) SBS-TA | SBS-TA | -232.5 |
| R-131. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | APP-TA | (Optional) APP-TA | APP-TA | -240.0 |

TABLE 7b: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE AND TOP LAYER INSULATION)*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop 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.

| Sys No. | Substrate (Note 1 , Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* ^A |
|---------|--|--|---|---|---|--|--|--------------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-132. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or Min. 1.5-inch EnergyGuard Composite or min. 0.25-inch DensDeck Prime | Hot asphalt | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -240.0 |
| R-133. | Existing smooth-surface BUR | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-M, M-OSFA | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation, min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum Fiber Roof Board | LRF-M, M-OSFA | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA | SBS-AA | -75.0 |
| R-134. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-M | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation, min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum Fiber Roof Board | LRF-M | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA | SBS-AA | -110.0 |
| R-135. | Existing granule-surface BUR or modified bitumen or smooth-surface SBS modified bitumen | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-M, M-OSFA | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation, min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum Fiber Roof Board | LRF-M, M-OSFA | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA | SBS-AA | -150.0 |
| R-136. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-M, 6-inch o.c. | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation, min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum Fiber Roof Board | LRF-M | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA | SBS-AA | -150.0 |
| R-137. | New or existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH or EnergyGuard RM | LRF-M Canister | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-M Canister | BP-AA or SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -225.0 |

TABLE 7b: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE AND TOP LAYER INSULATION)*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop 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.

| Sys No. | Substrate (Note 1 , Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* ^A |
|---------|--|--|---|---|---|--|--|--------------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-138. | New or existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH or EnergyGuard RM | LRF-M Canister | Min. 0.25-inch DensDeck Prime | LRF-M Canister | SBS-TA | (Optional) SBS-TA | SBS-TA | -232.5 |
| R-139. | New or existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH or EnergyGuard RM | LRF-M Canister | Min. 0.25-inch DensDeck Prime | LRF-M Canister | BP-AA or SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -240.0 |
| R-140. | New or existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH or EnergyGuard RM | LRF-M Canister | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-M Canister | APP-TA | (Optional) APP-TA | APP-TA | -240.0 |
| R-141. | New or existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH or EnergyGuard RM | LRF-M Canister | min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-M Canister | BP-AA or SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA | SBS-AA, SBS-TA | -247.5 |
| R-142. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH | LRF-XF | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -110.0 |
| R-143. | Existing smooth- or granule-surface BUR or modified bitumen | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-XF | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board | LRF-XF | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA | SBS-AA | -150.0 |
| R-144. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH | LRF-XF, 6-inch o.c. | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -157.5 |
| R-145. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH | LRF-XF, 4-inch o.c. | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -180.0 |
| R-146. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation | LRF-XF, 4-inch o.c. | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -200.0 |

TABLE 7b: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE AND TOP LAYER INSULATION)*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop 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.

| Sys No. | Substrate (Note 1, Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* ^A |
|---------|---|---|-------------------------|---|-------------------------|---------------------------------|--|--------------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-147. | Existing asphaltic roof cover | Min. 2.0-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard Ultra | LRF-XF | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-XF | BP-AA or SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -225.0 |
| R-148. | Existing asphaltic roof cover | Min. 2.0-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard Ultra | LRF-XF | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -232.5 |
| R-149. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH | LRF-XF | Min. 0.25-inch DensDeck Prime | LRF-XF | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -240.0 |
| R-150. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | OB500 | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -110.0 |
| R-151. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | OB500 | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -110.0 |
| R-152. | Existing asphalt BUR or mineral surface cap | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -120.0 |
| R-153. | Existing asphalt BUR or mineral surface cap | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | OB500 | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -120.0 |
| R-154. | Existing smooth APP | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch DensDeck or DensDeck Prime | OB500 | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -150.0 |

TABLE 7b: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE AND TOP LAYER INSULATION)*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop 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.

| Sys No. | Substrate (Note 1, Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* ^A |
|---------|---|---|-------------------------|---|-------------------------|---------------------------------|--|--------------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-155. | Existing smooth- or granule-surface BUR or modified bitumen | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | OB500 | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation, min. 0.25-inch DensDeck, DensDeck Prime, SECUROCK Gypsum Fiber Roof Board | OB500 | BP-AA, SBS-AA | (Optional) BP-AA, SBS-AA | SBS-AA | -150.0 |
| R-156. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500, 6-inch o.c. | Min. 0.25-inch DensDeck or DensDeck Prime | OB500 | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -150.0 |
| R-157. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | OB500, 6-inch o.c. | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | OB500 | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -157.5 |
| R-158. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | OB500, 6-inch o.c. | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -157.5 |
| R-159. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | OB500, 6-inch o.c. | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA or SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -157.5 |
| R-160. | Existing smooth APP | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -165.0 |
| R-161. | Existing smooth APP | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | OB500 | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -165.0 |
| R-162. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500, 4-inch o.c. | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | OB500 | BP-AA, SBS-AA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -165.0 |

TABLE 7B: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE AND TOP LAYER INSULATION)*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop 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.

| Sys No. | Substrate (Note 1 , Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* ^A |
|---|---|---|---|---|---|--|--|--------------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-163. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | OB500, 4-inch o.c. | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA or SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -187.5 |
| R-164. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | OB500, 4-inch o.c. | Min. 0.25-inch DensDeck Prime | OB500 | SBS-TA | (Optional) SBS-TA | SBS-TA | -200.0 |
| R-165. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | OB500, 4-inch o.c. | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-TA, APP-TA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -200.0 |
| R-166. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | OB500, 4-inch o.c. | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA or SBS-AA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -200.0 |
| R-167. | Existing mineral surface cap | Min. 1.5-inch EnergyGuard RA or EnergyGuard RN | OB500, 6-inch o.c. | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500, 6-inch o.c. | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) One or more BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA, SBS-TA or APP-TA | -240.0 |
| SELF-ADHERING BASE PLY WITH POLYISOCYANURATE BASE INSULATION LAYER | | | | | | | | | |
| R-168. | Existing smooth-surface BUR | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-M, M-OSFA | Min. 0.25-inch SECUROCK Gypsum Fiber Roof Board | LRF-M, M-OSFA | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -75.0 |
| R-169. | Existing smooth surfaced BUR or granule surface roof cover | Min. 1.5-inch EnergyGuard RH | LRF-M, M-OSFA | Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board, EnergyGuard HD Plus Polyiso Cover Board | LRF-M, M-OSFA | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -75.0 |
| R-170. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RH | LRF-M | Min. 0.5-inch EnergyGuard HD Polyiso Cover Board, EnergyGuard HD Plus Polyiso Cover Board | LRF-M | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -97.5 |

TABLE 7B: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE AND TOP LAYER INSULATION)*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop 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.

| Sys No. | Substrate (Note 1, Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* ^A |
|---------|--|--|-------------------------|---|-------------------------|----------------------|-----------------------------|------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-171. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-M | (Optional) Additional layer(s) base insulation and/or Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-M | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -110.0 |
| R-172. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-M, 6-inch o.c. | (Optional) Additional layer(s) base insulation and/or Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-M | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -157.5 |
| R-173. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-M, 4-inch o.c. | (Optional) Additional layer(s) base insulation and/or Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-M | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -200.0 |
| R-174. | Existing granule-surface BUR or modified bitumen or smooth-surface SBS modified bitumen | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-M, M-OSFA | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-M, M-OSFA | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -225.0 |
| R-175. | New or existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH or EnergyGuard RM | LRF-M Canister | Min. 0.5-inch EnergyGuard HD Polyiso Cover Board, EnergyGuard HD Plus Polyiso Cover Board | LRF-M Canister | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -97.5 |
| R-176. | New or existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH or EnergyGuard RM | LRF-M Canister | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board (optional Matrix 307 Premium Asphalt Primer) | LRF-M Canister | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -232.5 |
| R-177. | New or existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch EnergyGuard Polyiso Insulation | LRF-M Canister | (Optional) Additional layer(s) base insulation | LRF-M Canister | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -232.5 |
| R-178. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-XF | (Optional) Additional layer(s) base insulation and/or Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -110.0 |

TABLE 7b: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE AND TOP LAYER INSULATION)*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop 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.

| Sys No. | Substrate (Note 1 , Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* ^A |
|---------|---|---|---|---|---|--|-----------------------------|------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-179. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-XF | Min. 0.25-inch DensDeck Prime | LRF-XF | SBS-SA | (Optional) SBS-SA | SBS-SA | -110.0 |
| R-180. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-XF, 6-inch o.c. | Min. 0.25-inch DensDeck Prime | LRF-XF | SBS-SA | (Optional) SBS-SA | SBS-SA | -152.5 |
| R-181. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-XF, 6-inch o.c. | (Optional) Additional layer(s) base insulation and/or Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -157.5 |
| R-182. | Existing smooth- or granule-surface BUR or modified bitumen | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-XF | Min. 0.25-inch SECUROCK Gypsum Fiber Roof Board | LRF-XF | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -180.0 |
| R-183. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-XF, 4-inch o.c. | (Optional) Additional layer(s) base insulation | LRF-XF | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -180.0 |
| R-184. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | LRF-XF, 4-inch o.c. | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -180.0 |
| R-185. | Existing smooth surfaced BUR / APP modified bitumen or granule surface roof cover over structural concrete deck | Min. 1.5-inch EnergyGuard RH | OB500 | Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board, EnergyGuard HD Plus Polyiso Cover Board | OB500 | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -97.5 |
| R-186. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RH | OB500 | Min. 0.5-inch EnergyGuard HD Polyiso Cover Board, EnergyGuard HD Plus Polyiso Cover Board | OB500 | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -97.5 |
| R-187. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | OB500 | (Optional) Additional layer(s) base insulation | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -110.0 |
| R-188. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN, EnergyGuard Ultra | OB500 | Min. 0.25-inch DensDeck Prime | OB500 | SBS-SA | (Optional) SBS-SA | SBS-SA | -110.0 |

TABLE 7B: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE AND TOP LAYER INSULATION)*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop 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.

| Sys No. | Substrate (Note 1 , Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* ^A |
|---------|---|---|---|--|---|--|---------------------------|------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-189. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN, EnergyGuard Ultra | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -110.0 |
| R-190. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-SA | (Optional) SBS-SA | SBS-TA or APP-TA | -120.0 |
| R-191. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RN | OB500, 6-inch o.c. | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -120.0 |
| R-192. | Existing smooth APP | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch DensDeck Prime | OB500 | SBS-SA | (Optional) SBS-SA | SBS-SA | -152.5 |
| R-193. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500, 6-inch o.c. | Min. 0.25-inch DensDeck Prime | OB500 | SBS-SA | (Optional) SBS-SA | SBS-SA | -152.5 |
| R-194. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | OB500, 6-inch o.c. | (Optional) Additional layer(s) base insulation | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -157.5 |
| R-195. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | OB500, 6-inch o.c. | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -157.5 |
| R-196. | Existing smooth APP | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch DensDeck; surface shall be primed with Matrix 307 Premium Asphalt Primer or ASTM D41 primer | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -165.0 |
| R-197. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500, 4-inch o.c. | Min. 0.25-inch DensDeck; surface shall be primed with Matrix 307 Premium Asphalt Primer or ASTM D41 primer | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -167.5 |
| R-198. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | OB500, 4-inch o.c. | (Optional) Additional layer(s) base insulation | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -200.0 |

TABLE 7b: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE AND TOP LAYER INSULATION)*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop 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.

| Sys No. | Substrate (Note 1 , Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* ^A |
|---|---|---|---|---|---|--|--------------------------------------|------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-199. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | OB500, 4-inch o.c. | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -200.0 |
| R-200. | Existing smooth- or granule-surface BUR or modified bitumen | Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-SA | (Optional) SBS-TA or APP-TA | SBS-TA or APP-TA | -225.0 |
| R-201. | Existing mineral surface cap | Min. 1.5-inch EnergyGuard RA or EnergyGuard RN | OB500, 6-inch o.c. | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board (primer optional) | OB500, 6-inch o.c. | SBS-SA | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA | -240.0 |
| VENTING SYSTEMS WITH POLYISOCYANURATE BASE INSULATION LAYER: | | | | | | | | | |
| R-202. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | Hot asphalt | Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -90.0 |
| R-203. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | Hot asphalt | Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -90.0 |
| R-204. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | Hot asphalt | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -90.0 |
| R-205. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | Hot asphalt | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -90.0 |
| R-206. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | (Optional) Additional layer(s) base insulation | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -150.0 |
| R-207. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | (Optional) Additional layer(s) base insulation | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -150.0 |
| R-208. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard Ultra | Hot asphalt | (Optional) Additional layer(s) base insulation | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -172.5 |
| R-209. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard Ultra | Hot asphalt | (Optional) Additional layer(s) base insulation | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -172.5 |

TABLE 7b: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE AND TOP LAYER INSULATION)*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop 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.

| Sys No. | Substrate (Note 1 , Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* ^A |
|---------|--|--|---|--|---|--|--------------------------------------|------------------|--|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-210. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | Hot asphalt | Min. 0.25-inch DensDeck or DensDeck Prime | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -240.0 |
| R-211. | Existing asphaltic roof cover | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | Hot asphalt | Min. 0.25-inch DensDeck or DensDeck Prime | Hot asphalt | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -240.0 |
| R-212. | New or existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | LRF-M Canister | (Optional) Additional layer(s) base insulation | LRF-M Canister | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -150.0 |
| R-213. | New or existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | LRF-M Canister | (Optional) Additional layer(s) base insulation | LRF-M Canister | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -150.0 |
| R-214. | New or existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH or EnergyGuard RM | LRF-M Canister | Min. 0.25-inch DensDeck Prime | LRF-M Canister | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -240.0 |
| R-215. | New or existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH or EnergyGuard RM | LRF-M Canister | Min. 0.25-inch DensDeck Prime | LRF-M Canister | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -240.0 |
| R-216. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Ultra | LRF-XF | (Optional) Additional layer(s) base insulation | LRF-XF | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -110.0 |
| R-217. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Ultra | LRF-XF | (Optional) Additional layer(s) base insulation | LRF-XF | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -110.0 |

TABLE 7B: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE AND TOP LAYER INSULATION)*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop 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.

| Sys No. | Substrate (Note 1, Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* ^A |
|---------|---|---|-------------------------|--|-------------------------|--|--------------------------------------|------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-218. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH or EnergyGuard Ultra | LRF-XF | Min. 0.25-inch DensDeck Prime | LRF-XF | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -110.0 |
| R-219. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH or EnergyGuard Ultra | LRF-XF | Min. 0.25-inch DensDeck Prime | LRF-XF | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -110.0 |
| R-220. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Ultra | LRF-XF, 6-inch o.c. | (Optional) Additional layer(s) base insulation | LRF-XF | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -157.5 |
| R-221. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Ultra | LRF-XF, 6-inch o.c. | (Optional) Additional layer(s) base insulation | LRF-XF | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -157.5 |
| R-222. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH or EnergyGuard Ultra | LRF-XF, 6-inch o.c. | Min. 0.25-inch DensDeck Prime | LRF-XF | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -157.5 |
| R-223. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH or EnergyGuard Ultra | LRF-XF, 6-inch o.c. | Min. 0.25-inch DensDeck Prime | LRF-XF | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -157.5 |
| R-224. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Ultra | LRF-XF, 4-inch o.c. | (Optional) Additional layer(s) base insulation | LRF-XF | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -172.5 |
| R-225. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Ultra | LRF-XF, 4-inch o.c. | (Optional) Additional layer(s) base insulation | LRF-XF | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -172.5 |
| R-226. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH or EnergyGuard Ultra | LRF-XF | Min. 0.25-inch DensDeck Prime | LRF-XF | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -200.0 |

TABLE 7B: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE AND TOP LAYER INSULATION)*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop 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.

| Sys No. | Substrate (Note 1 , Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* ^A |
|---------|---|---|---|--|---|--|--------------------------------------|------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-227. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH or EnergyGuard Ultra | LRF-XF | Min. 0.25-inch DensDeck Prime | LRF-XF | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -200.0 |
| R-228. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | OB500 | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | OB500 | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -90.0 |
| R-229. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | OB500 | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | OB500 | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -90.0 |
| R-230. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Ultra | OB500 | (Optional) Additional layer(s) base insulation | OB500 | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -110.0 |
| R-231. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Ultra | OB500 | (Optional) Additional layer(s) base insulation | OB500 | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -110.0 |
| R-232. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | OB500 | Min. 0.25-inch DensDeck or DensDeck Prime | OB500 | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -110.0 |
| R-233. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | OB500 | Min. 0.25-inch DensDeck or DensDeck Prime | OB500 | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -110.0 |
| R-234. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Ultra | OB500, 6-inch o.c. | (Optional) Additional layer(s) base insulation | OB500 | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -150.0 |
| R-235. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Ultra | OB500, 6-inch o.c. | (Optional) Additional layer(s) base insulation | OB500 | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -150.0 |

TABLE 7B: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE AND TOP LAYER INSULATION)*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop 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.

| Sys No. | Substrate (Note 1 , Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* ^A |
|--|---|---|---|---|---|--|--------------------------------------|-------------------|--|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-236. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | OB500, 6-inch o.c. | Min. 0.25-inch DensDeck or DensDeck Prime | OB500 | GAFGLAS Stratavent Perforated Venting Base Sheet | (Optional) One or more BP-AA, SBS-AA | SBS-AA | -150.0 |
| R-237. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra | OB500, 6-inch o.c. | Min. 0.25-inch DensDeck or DensDeck Prime | OB500 | GAFGLAS Stratavent Perforated Venting Base Sheet | One or more BP-AA, SBS-AA | SBS-TA or APP-TA | -150.0 |
| COLD-APPLIED SYSTEMS WITH POLYISOCYANURATE BASE INSULATION LAYER: | | | | | | | | | |
| R-238. | Existing asphalt BUR | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | SBS-CA1 | None | SBS-CA1 | -120.0 |
| R-239. | Existing mineral surface cap | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | SBS-CA1 | None | SBS-CA1 | -127.5 |
| R-240. | Existing smooth surfaced BUR or granule surface roof cover | Min. 1.5-inch EnergyGuard RH | LRF-M, M-OSFA | Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board, EnergyGuard HD Plus Polyiso Cover Board | LRF-M, M-OSFA | SBS-CA or SBS-CA1 | None | SBS-CA or SBS-CA1 | -75.0 |
| R-241. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | LRF-M | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-M | SBS-CA1 | None | SBS-CA1 | -110.0 |
| R-242. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | LRF-M, 6-inch o.c. | Min. 0.25-inch DensDeck Prime | LRF-M | SBS-CA1 | None | SBS-CA1 | -127.5 |
| R-243. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | LRF-M, 6-inch o.c. | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-M | SBS-CA1 | None | SBS-CA1 | -157.5 |
| R-244. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | LRF-M, 4-inch o.c. | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-M | SBS-CA1 | None | SBS-CA1 | -172.5 |

TABLE 7b: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE AND TOP LAYER INSULATION)*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop 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.

| Sys No. | Substrate (Note 1 , Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* ^A |
|---------|---|--|---|---|---|--|------|-------------------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-245. | New or existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH or EnergyGuard RM | LRF-M Canister | Min. 0.25-inch DensDeck Prime | LRF-M Canister | SBS-CA1 | None | SBS-CA1 | -127.5 |
| R-246. | New or existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH or EnergyGuard RM | LRF-M Canister | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-M Canister | SBS-CA1 | None | SBS-CA1 | -172.5 |
| R-247. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH | LRF-XF | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-CA1 | None | SBS-CA1 | -110.0 |
| R-248. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH | LRF-XF, 6-inch o.c. | Min. 0.25-inch DensDeck Prime | LRF-XF | SBS-CA1 | None | SBS-CA1 | -127.5 |
| R-249. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH | LRF-XF, 6-inch o.c. | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-CA1 | None | SBS-CA1 | -157.5 |
| R-250. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH | LRF-XF, 4-inch o.c. | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-XF | SBS-CA1 | None | SBS-CA1 | -172.5 |
| R-251. | Existing asphaltic roof cover or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation | OB500 | SBS-CA | None | SBS-CA | -45.0 |
| R-252. | Existing smooth surfaced BUR / APP modified bitumen, granule surface roof cover or gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel over structural concrete deck | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RH | OB500 | Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board, EnergyGuard HD Plus Polyiso Cover Board | OB500 | SBS-CA or SBS-CA1 | None | SBS-CA or SBS-CA1 | -97.5 |

TABLE 7b: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE AND TOP LAYER INSULATION)*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop 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.

| Sys No. | Substrate (Note 1 , Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* ^A |
|---|---|--|---|---|---|--|----------------------------|---------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-253. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-CA1 | None | SBS-CA1 | -110.0 |
| R-254. | Existing asphalt BUR | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-CA1 | None | SBS-CA1 | -120.0 |
| R-255. | Existing smooth APP or mineral surface cap | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch DensDeck Prime | OB500 | SBS-CA1 | None | SBS-CA1 | -127.5 |
| R-256. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500, 6-inch o.c. | Min. 0.25-inch DensDeck Prime | OB500 | SBS-CA1 | None | SBS-CA1 | -127.5 |
| R-257. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500, 6-inch o.c. | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-CA1 | None | SBS-CA1 | -157.5 |
| R-258. | Existing smooth APP | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-CA1 | None | SBS-CA1 | -165.0 |
| R-259. | Existing mineral surface cap | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-CA1 | None | SBS-CA1 | -172.5 |
| R-260. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500, 4-inch o.c. | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | SBS-CA1 | None | SBS-CA1 | -172.5 |
| HYBRID HOT/COLD-APPLIED SYSTEMS WITH POLYISOCYANURATE BASE INSULATION LAYER: | | | | | | | | | |
| R-261. | Existing asphalt BUR | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -120.0 |
| R-262. | Existing mineral surface cap | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | Hot asphalt | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Hot asphalt | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -127.5 |
| R-263. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | LRF-M | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-M | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -110.0 |
| R-264. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | LRF-M, 6-inch o.c. | Min. 0.25-inch DensDeck Prime | LRF-M | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -127.5 |

TABLE 7b: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE AND TOP LAYER INSULATION)*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop 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.

| Sys No. | Substrate (Note 1 , Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* ^A |
|---------|--|--|---|---|---|--|----------------------------|---------|--|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-265. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | LRF-M, 6-inch o.c. | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-M | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -157.5 |
| R-266. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | LRF-M, 4-inch o.c. | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-M | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -172.5 |
| R-267. | New or existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH or EnergyGuard RM | LRF-M Canister | Min. 0.25-inch DensDeck Prime | LRF-M Canister | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -127.5 |
| R-268. | New or existing smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH or EnergyGuard RM | LRF-M Canister | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-M Canister | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -172.5 |
| R-269. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH | LRF-XF | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | LRF-XF | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -110.0 |
| R-270. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH | LRF-XF, 6-inch o.c. | Min. 0.25-inch DensDeck Prime | LRF-XF | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -127.5 |
| R-271. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH | LRF-XF, 6-inch o.c. | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-XF | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -157.5 |
| R-272. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH | LRF-XF, 4-inch o.c. | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | LRF-XF | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -172.5 |
| R-273. | Existing asphalt BUR | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -120.0 |
| R-274. | Existing smooth APP or mineral surface cap | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch DensDeck Prime | OB500 | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -127.5 |
| R-275. | Existing smooth APP | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -165.0 |

TABLE 7B: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER (BASE AND TOP LAYER INSULATION)*

^A The reported MDP documents the allowable maximum design pressure of the new insulation and roof cover when installed atop 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.

| Sys No. | Substrate (Note 1 , Note 12) | Base Insulation Layer | | Top Insulation Layer | | Roof Cover (Note 15) | | | MDP (psf)* ^A |
|---------|---|--|---|---|---|--|----------------------------|---------|----------------------------|
| | | Type | Attach (Notes 6,7,8) | Type | Attach (Notes 6,7,8) | Base Ply | Ply | Cap Ply | |
| R-276. | Existing mineral surface cap | Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -172.5 |
| R-277. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500 | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -110.0 |
| R-278. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500, 6-inch o.c. | Min. 0.25-inch DensDeck Prime | OB500 | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -127.5 |
| R-279. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500, 6-inch o.c. | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -157.5 |
| R-280. | Existing gravel-surfaced BUR, brushed/spudded and vacuumed to remove loose gravel | Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN | OB500, 4-inch o.c. | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500 | BP-AA or SBS-AA | (Optional) BP-AA or SBS-AA | SBS-CA1 | -172.5 |