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**Product Approval**  
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|                                                                               |                                                                                                                                                                     |
|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FL #</b>                                                                   | FL2533-R30                                                                                                                                                          |
| <b>Application Type</b>                                                       | Revision                                                                                                                                                            |
| <b>Code Version</b>                                                           | 2023                                                                                                                                                                |
| <b>Application Status</b>                                                     | Approved                                                                                                                                                            |
| <b>Comments</b>                                                               |                                                                                                                                                                     |
| <b>Archived</b>                                                               | <input type="checkbox"/>                                                                                                                                            |
| <b>Product Manufacturer</b>                                                   | CertainTeed, LLC (Roofing)                                                                                                                                          |
| <b>Address/Phone/Email</b>                                                    | 20 Moores Road<br>Malvern, PA 19355<br>(610) 893-5945<br>Alex.T.James@saint-gobain.com                                                                              |
| <b>Authorized Signature</b>                                                   | Alex James<br>Alex.T.James@saint-gobain.com                                                                                                                         |
| <b>Technical Representative</b>                                               |                                                                                                                                                                     |
| <b>Address/Phone/Email</b>                                                    | Chad Johnson<br>20 Moores Road<br>Malvern, PA 19355<br>(262) 444-8720<br>Chad.Johnson@saint-gobain.com                                                              |
| <b>Quality Assurance Representative</b>                                       |                                                                                                                                                                     |
| <b>Address/Phone/Email</b>                                                    |                                                                                                                                                                     |
| <b>Category</b>                                                               | Roofing                                                                                                                                                             |
| <b>Subcategory</b>                                                            | Modified Bitumen Roof System                                                                                                                                        |
| <b>Compliance Method</b>                                                      | Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer<br><input type="checkbox"/> Evaluation Report - Hardcopy Received |
| <b>Florida Engineer or Architect Name who developed the Evaluation Report</b> | Robert Nieminen                                                                                                                                                     |
| <b>Florida License</b>                                                        | PE-59166                                                                                                                                                            |
| <b>Quality Assurance Entity</b>                                               | UL LLC                                                                                                                                                              |
| <b>Quality Assurance Contract Expiration Date</b>                             | 08/08/2025                                                                                                                                                          |
| <b>Validated By</b>                                                           | John W. Knezevich, PE<br><input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received                                                               |
| <b>Certificate of Independence</b>                                            | <a href="#">FL2533 R30 COI 2023 07 COI NIEMINEN.pdf</a>                                                                                                             |

**Referenced Standard and Year (of Standard)**

| <b>Standard</b> | <b>Year</b> |
|-----------------|-------------|
| ASTM D1970      | 2017        |
| ASTM D2178      | 2015        |
| ASTM D41        | 2016        |
| ASTM D4601      | 2012        |
| ASTM D4897      | 2016        |
| ASTM D6163      | 2016        |
| ASTM D6164      | 2016        |
| ASTM D6222      | 2016        |
| ASTM D6509      | 2016        |

|           |      |
|-----------|------|
| ASTM G155 | 2013 |
| FM 4470   | 2016 |
| FM 4474   | 2011 |
| TAS 114   | 2011 |

Equivalence of Product Standards  
Certified By

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted 08/04/2023  
Date Validated 08/08/2023  
Date Pending FBC Approval 08/10/2023  
Date Approved 10/17/2023  
Date Revised 12/13/2023

#### Summary of Products

| FL #                                                                                                                                                                                                                                                                                                                                                                                                 | Model, Number or Name                                | Description                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2533.1                                                                                                                                                                                                                                                                                                                                                                                               | Flintlastic Modified Bitumen Roof Systems (HVHZ)     | Modified bitumen roof systems for use in FBC HVHZ jurisdictions.                                                                                                                                                                                                                                                                                                                      |
| <b>Limits of Use</b><br><b>Approved for use in HVHZ:</b> Yes<br><b>Approved for use outside HVHZ:</b> No<br><b>Impact Resistant:</b> N/A<br><b>Design Pressure:</b> +N/A/-635<br><b>Other:</b> 1.) Refer to PEER Section 5 for Limits of Use. 2.) The design pressure noted in this application relates to one specific system. Refer to the PEER Appendix for all systems and max design pressures. |                                                      | <b>Installation Instructions</b><br><a href="#">FL2533 R30 II 2023 08 03 FINAL A1 PEER-CTR-003.B HVHZ FL2533-R30.pdf</a><br>Verified By: Robert Nieminen PE-59166<br>Created by Independent Third Party: Yes<br><b>Evaluation Reports</b><br><a href="#">FL2533 R30 AE 2023 08 03 FINAL PEER-CTR-003.B HVHZ FL2533-R30.pdf</a><br>Created by Independent Third Party: Yes             |
| 2533.2                                                                                                                                                                                                                                                                                                                                                                                               | Flintlastic Modified Bitumen Roof Systems (NON-HVHZ) | Modified bitumen roof systems for use in FBC non-HVHZ jurisdictions.                                                                                                                                                                                                                                                                                                                  |
| <b>Limits of Use</b><br><b>Approved for use in HVHZ:</b> No<br><b>Approved for use outside HVHZ:</b> Yes<br><b>Impact Resistant:</b> N/A<br><b>Design Pressure:</b> +N/A/-635<br><b>Other:</b> 1.) Refer to PEER Section 5 for Limits of Use. 2.) The design pressure noted in this application relates to one specific system. Refer to the PEER Appendix for all systems and max design pressures. |                                                      | <b>Installation Instructions</b><br><a href="#">FL2533 R30 II 2023 08 03 FINAL A1 PEER-CTR-003.A NON-HVHZ FL2533-R30.pdf</a><br>Verified By: Robert Nieminen, PE PE-59166<br>Created by Independent Third Party: Yes<br><b>Evaluation Reports</b><br><a href="#">FL2533 R30 AE 2023 08 03 FINAL PEER-CTR-003.A NON-HVHZ FL2533-R30.pdf</a><br>Created by Independent Third Party: Yes |

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Product Approval Accepts:





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APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE

| TABLE | DECK                           | APPLICATION                         | TYPE | DESCRIPTION                                                                     | PAGE |
|-------|--------------------------------|-------------------------------------|------|---------------------------------------------------------------------------------|------|
| 1A    | Wood                           | New or Reroof (Tear-Off)            | A-1  | Bonded Insulation, Bonded Roof Cover                                            | 6    |
| 1B    | Wood                           | New, Reroof (Tear-Off) or Recover   | B-1  | Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover | 7    |
| 1C    | Wood                           | New or Reroof (Tear-Off)            | B-3  | Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover        | 8    |
| 1D    | Wood                           | New, Reroof (Tear-Off) or Recover   | C-1  | Mechanically Attached Insulation, Bonded Roof Cover                             | 10   |
| 1E    | Wood                           | New, Reroof (Tear-Off) or Recover   | D-2  | Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover                  | 12   |
| 1F    | Wood                           | New, Reroof (Tear-Off)              | E-2  | Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover              | 14   |
| 1G    | Wood                           | New, Reroof (Tear-Off) or Recover   | E-2  | Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover              | 17   |
| 1H    | Wood                           | New or Reroof (Tear-Off)            | F    | Non-Insulated, Bonded Roof Cover                                                | 19   |
| 2A    | Steel or Structural concrete   | New, Reroof (Tear-Off) or Recover   | B-1  | Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover | 20   |
| 2B    | Steel or Structural concrete   | New, Reroof (Tear-Off) or Recover   | C-1  | Mechanically Attached Insulation, Bonded Roof Cover                             | 24   |
| 2C    | Steel or Structural concrete   | New, Reroof (Tear-Off) or Recover   | D-2  | Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover                  | 28   |
| 3A    | Structural concrete            | New or Reroof (Tear-Off)            | A-1  | Bonded Insulation, Bonded Roof Cover                                            | 31   |
| 3B    | Structural concrete            | New or Reroof (Tear-Off)            | F    | Non-Insulated, Bonded Roof Cover                                                | 40   |
| 4A    | Deck with lightweight concrete | New or Reroof (Tear-Off)            | A-1  | Bonded Insulation, Bonded Roof Cover                                            | 41   |
| 4B    | Deck with lightweight concrete | New or Reroof (Tear-Off)            | A-1  | Bonded Insulation, Bonded Roof Cover                                            | 43   |
| 4C    | Deck with lightweight concrete | New, Reroof (Tear-Off)              | A-1  | Bonded Vapor Barrier, Bonded Insulation, Bonded Roof Cover                      | 48   |
| 4D    | Deck with lightweight concrete | New or Reroof (Tear-Off)            | B-3  | Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover        | 50   |
| 4E    | Deck with lightweight concrete | New or Reroof (Tear-Off)            | E-2  | Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover              | 53   |
| 4F    | Deck with lightweight concrete | Reroof (Tear-Off) or Recover        | E-2  | Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover              | 58   |
| 4G    | Deck with lightweight concrete | Reroof (Tear-Off)                   | F    | Non-Insulated, Bonded Roof Cover                                                | 58   |
| 5A    | Cementitious wood fiber        | New or Reroof (Tear-Off)            | A-1  | Bonded Insulation, Bonded Roof Cover                                            | 59   |
| 5B    | Cementitious wood fiber        | New or Reroof (Tear-Off) or Recover | B-3  | Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover        | 60   |
| 5C    | Cementitious wood fiber        | Reroof (Tear-Off) or Recover        | C-1  | Mechanically Attached Insulation, Bonded Roof Cover                             | 61   |
| 5D    | Cementitious wood fiber        | New, Reroof (Tear-Off) or Recover   | E-2  | Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover              | 62   |
| 6A    | Existing gypsum                | Reroof (Tear-Off)                   | A-1  | Bonded Insulation, Bonded Roof Cover                                            | 63   |
| 6B    | Existing gypsum                | Reroof (Tear-Off)                   | B-3  | Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover        | 65   |
| 6C    | Existing gypsum                | Reroof (Tear-Off)                   | C-1  | Mechanically Attached Insulation, Bonded Roof Cover                             | 66   |
| 6D    | Existing gypsum                | Reroof (Tear-Off)                   | E-2  | Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover              | 66   |
| 7A    | Various                        | Recover                             | A-1  | Bonded Insulation, Bonded Roof Cover                                            | 67   |
| 7B    | Various                        | Recover                             | F    | Non-Insulated, Bonded Roof Cover                                                | 74   |



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The following notes apply to the systems outlined herein:

- 1 The roof system evaluation herein pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction.
- 2 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                                  | FBC     | PARTS                                                                                                                       |  | MINIMUM ENGAGEMENT                                                                                                                                |
| Wood                   | Attenloh, Brinck and Co. U.S., Inc. | FL4500  | Trufast #14 HD with Trufast 3" Metal Insulation Plates                                                                      |  | Minimum ¾-inch plywood penetration or minimum 1-inch wood plank embedment                                                                         |
|                        | OMG, Inc.                           | FL699   | OMG #14 Roofgrip with AccuTrac Plates or OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plate                            |  |                                                                                                                                                   |
|                        | SFS Group USA, Inc.                 | FL20311 | Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8 or Dekfast PLT-R-3.                                                             |  |                                                                                                                                                   |
| Steel                  | Attenloh, Brinck and Co. U.S., Inc. | FL4500  | Trufast #12 DP or Trufast #14 HD with Trufast 3" Metal Insulation Plates                                                    |  | Minimum ¾-inch steel penetration and engage the top flute of the steel deck                                                                       |
|                        | OMG, Inc.                           | FL699   | OMG #12 or #14 Roofgrip with AccuTrac Plates or OMG #12 Standard or OMG #14 Heavy Duty with OMG 3 in. Galvalume Steel Plate |  |                                                                                                                                                   |
|                        | SFS Group USA, Inc.                 | FL20311 | Dekfast DF-#12-PH3 or DF-#14-PH3 with Dekfast PLT-H-2-7/8 or Dekfast PLT-R-3.                                               |  |                                                                                                                                                   |
| Structural Concrete    | Attenloh, Brinck and Co. U.S., Inc. | FL4500  | Trufast #14 HD or Trufast Fluted Concrete Nail with Trufast 3" Metal Insulation Plates                                      |  | Minimum 1-inch embedment. Fastener installed with a pilot hole in accordance with the fastener manufacturer's published installation instructions |
|                        | OMG, Inc.                           | FL699   | OMG #14 Roofgrip with AccuTrac Plates or OMG #14 Heavy Duty or CD-10 with OMG 3 in. Galvalume Steel Plate                   |  |                                                                                                                                                   |
|                        | SFS Group USA, Inc.                 | FL20311 | Dekfast DF-#14-PH3 with Dekfast PLT-H-2-7/8 or Dekfast PLT-R-3.                                                             |  |                                                                                                                                                   |

- 3 Unless otherwise noted, insulation may be any one layer or combination of FBC Approved (local or Statewide) board(s) that meet FBC 1505 and, for foam plastic, FBC Chapter 26, when installed with the roof cover.
- 4 Minimum 200 psi, minimum 2-inch FBC 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 lightweight concrete and the potential effect on overlying components.
- 5 Preliminary insulation attachment: Unless otherwise noted, use FBC Approved roofing fasteners and plates and refer to Section 2.2.10.1.3 of [FM Loss Prevention Data Sheet 1-29](#).
- 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                             | FBC     | ADHESIVE                              | REFERENCE    | MINIMUM RATE                                           | NOTE                                                                                |  |
| DuPont de Nemours, Inc.        | FL720   | Insta Stik Quik Set                   | Insta Stick  | Continuous 0.75 to 1 inch wide ribbons, 12-inch o.c.   |                                                                                     |  |
| H.B. Fuller Company            | FL1800  | Millennium One Step Foamable Adhesive | M-OSA        | Continuous 0.25 to 0.5-inch wide ribbons, 12-inch o.c. |                                                                                     |  |
|                                |         | Millennium PG-1 Pump Grade Adhesive   | M-PG1        | Continuous 0.5 to 0.75-inch wide ribbons, 12-inch o.c. |                                                                                     |  |
|                                |         | Millennium PG-1 EF ECO                | M-PGI-EF-ECO | Continuous 1 to 1.5-inch wide ribbons, 12-inch o.c.    |                                                                                     |  |
| ICP Construction, Inc.         | FL22256 | Polyset Board-Max                     | Polyset BM   | Continuous 3-inch wide ribbons, 12-inch o.c.           | Formerly Polyset CR-20                                                              |  |
|                                | FL1365  | Polyset Commercial Roofing Adhesive   | Polyset CRA  | Continuous 2.5 to 3-inch wide ribbons, 12-inch o.c.    | Pacecart, Spotshot or Canister dispensing                                           |  |
| OMG, Inc.                      | FL1608  | OlyBond 500 Adhesive Fastener         | OB500        | Continuous 0.75-inch wide ribbons, 12-inch o.c.        | If applying hot asphalt to concrete deck, deck shall be primed with ASTM D41 primer |  |
| Generic, ASTM D312, Type IV    | N/A     | hot asphalt                           | N/A          | Full coverage at 25-30 lbs/square                      |                                                                                     |  |



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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                                       |         | MDP (psf)      |
|                                                          | LISTED PRODUCT                                   | FBC     | THICKNESS (in) |
| Insta Stik                                               | Any polyisocyanurate listed with adhesive herein | Various | 1.0            |
| M-OSFA                                                   | Any polyisocyanurate listed with adhesive herein | Various | 1.0            |
| M-PCI                                                    | Any polyisocyanurate listed with adhesive herein | Various | 1.0            |
| Polyset CRA                                              | Any polyisocyanurate listed with adhesive herein | Various | 1.0            |
| OB500                                                    | Rmax Multi-Max FA3                               | FL11207 | 0.5            |
| OB500                                                    | Hunter H-Shield                                  | FL5968  | 0.5            |
| OB500                                                    | Johns Manville ENRGY 3                           | FL4205  | 0.5            |
| OB500                                                    | Atlas Roofing AC Foam II                         | FL17989 | 0.5            |

8 For adhered roof insulation and board-size: Unless otherwise noted, refer to Section 2.2.10.6.2 of [FMI Loss Prevention Data Sheet 1-29](#).

9 For mechanically attached components or partially-bonded insulation, the maximum design pressure for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with FBC Chapter 16. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are [ANSI/SPRI WDI](#), [FMI Loss Prevention Data Sheet 1-29](#), [Roofing Application Standard RAS 117](#) or [RAS 137](#). Assemblies marked with an asterisk\* carry the limitations set forth in Section 2.2.10.1 of [FMI Loss Prevention Data Sheet 1-29](#) for Zone 2/3 enhancements.

10 For assemblies with all components fully bonded, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with FBC Chapter 16. No rational analysis is permitted for these systems.

11 For mechanically attached components over existing decks, fasteners shall be tested in the existing deck for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing and analysis shall be in accordance with [ANSI/SPRI FX-1](#) or [Testing Application Standard TAS 105](#). 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 For bonded insulation or membrane over existing substrates in a re-roof (tear-off) or recover installation, the existing deck or existing roof surface shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing shall be conducted on mock-ups of the proposed new roof assembly. For bonded insulation or membrane over existing substrates in a recover installation, the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing. Field uplift testing shall be in accordance with ASTM E907, [FMI Loss Prevention Data Sheet 1-52](#) or [Testing Application Standard TAS 124](#).

13 Refer to FBC 1511 for requirements and limitations regarding recover installations. For Structural Concrete Deck or Recover Applications using System Type C-1 the base insulation layer is optional and for System Type C-2, D-1 or D-2, the insulation is optional. Alternatively, an FBC Approved insulation board or coverboard may be used as a separation layer. Board products shall be preliminarily attached prior to roof cover installation ([Note 5](#)). The separator component shall be documented as meeting FBC 1505 and, for foam plastic, FBC Chapter 26, when installed with the roof cover in Recover applications.

14 Lightweight insulating concrete (LWIC) shall be cast in accordance with FBC Section 1917 to the satisfaction of the Authority Having Jurisdiction. For systems where specific LWIC is referenced, refer to current LWIC Product Approval for specific deck construction and limitations. Unless otherwise noted, for systems where specific LWIC is not referenced, the minimum design mix shall be 300 psi. In all cases, the minimum top-coat thickness is 2-inches. For LWIC over structural concrete, reference is made to FBC Section 1917.4.1, Point 1. For "pre-existent" LWIC references, listings were established through testing over lightweight concrete cast using only foaming agent (ASTM C896), water and Portland cement (ASTM C150), with no proprietary additives, in accordance with procedures adopted by Miami-Dade BCCO (FBC CER1592). Use of these listings in new construction or re-roof (tear-off) applications is at the discretion of the Designer or Record and Authority Having Jurisdiction.

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

| MEMBRANE / ADHESIVE COMBINATIONS |           |                                                                                                                           | APPLICATION                                                                                         |
|----------------------------------|-----------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| REFERENCE                        | LAYER     | MATERIAL                                                                                                                  |                                                                                                     |
| SBS-CA1                          | Base Ply: | Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base                                     | Karnak No. 81 Cold Process Modified Bitumen Adhesive Brush Grade at 1 gal/square                    |
|                                  | Note:     | Base ply cures overnight prior to application of the ply or cap ply.                                                      |                                                                                                     |
|                                  | Ply:      | Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base                                     |                                                                                                     |
|                                  | Cap Ply:  | Flintlastic FR-P, Flintlastic FR-P CoolStar, Flintlastic Premium FR-P, Flintlastic Premium FR-P CoolStar, Flintlastic GMS |                                                                                                     |
| BP-CA2                           | Base Ply: | Glasbase Base Sheet, All Weather/Empire Base Sheet, Flintlastic Base 20                                                   | Henry #903 Adhesive at 1.5 gal/square.                                                              |
|                                  | Base Ply: | Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base                                     |                                                                                                     |
|                                  | Ply:      | Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base                                     |                                                                                                     |
|                                  | Cap Ply:  | Flintlastic FR-P, Flintlastic FR-P CoolStar, Flintlastic Premium FR-P, Flintlastic Premium FR-P CoolStar, Flintlastic GMS |                                                                                                     |
| SBS-CA3                          | Base Ply: | Glasbase Base Sheet, All Weather/Empire Base Sheet, Flintlastic Base 20                                                   | HB Fuller "Millennium Hurricane Force Membrane Adhesive", beads spaced 6-inch o.c.                  |
|                                  | Base Ply: | Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base                                     |                                                                                                     |
|                                  | Ply:      | Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base                                     |                                                                                                     |
|                                  | Cap Ply:  | Flintlastic FR-P, Flintlastic FR-P CoolStar, Flintlastic Premium FR-P, Flintlastic Premium FR-P CoolStar, Flintlastic GMS |                                                                                                     |
| SBS-CA4                          | Base Ply: | Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base                                     | FlintBond Brush or Tropical Roofing Products #216 Modified Bitumen Adhesive at 1 to 1.5 gal/square. |
|                                  | Note:     | Base ply cures overnight prior to application of the ply or cap ply.                                                      |                                                                                                     |
|                                  | Ply:      | Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base                                     |                                                                                                     |
|                                  | Cap Ply:  | Flintlastic FR-P, Flintlastic FR-P CoolStar, Flintlastic Premium FR-P, Flintlastic Premium FR-P CoolStar, Flintlastic GMS |                                                                                                     |
| BP-AA                            | Base Ply: | Glasbase Base Sheet, All Weather/Empire Base Sheet, Flintlastic Base 20                                                   | hot asphalt at 20-40 lbs/square                                                                     |
|                                  | Ply:      | One or more Flintglas Ply 4                                                                                               |                                                                                                     |
|                                  | Base Ply: | Flintglas MS Cap (Inverted)                                                                                               |                                                                                                     |
|                                  | Base Ply: | Flintglas MS Cap (Inverted)                                                                                               |                                                                                                     |
| BP-AA3                           | Base Ply: | Flintglas MS Cap (Inverted)                                                                                               | hot asphalt in 24-inch diameter spots in 30-inch grid pattern                                       |
|                                  | Base Ply: | Flintglas MS Cap (Inverted)                                                                                               |                                                                                                     |
|                                  | Base Ply: | Flintglas MS Cap (Inverted)                                                                                               |                                                                                                     |
|                                  | Base Ply: | Flintglas MS Cap (Inverted)                                                                                               |                                                                                                     |
| SBS-AA                           | Base Ply: | Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base                                     | hot asphalt in 9-inch wide ribbons spaced as noted herein.                                          |
|                                  | Ply:      | One or more Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base                         |                                                                                                     |
|                                  | Cap Ply:  | Flintlastic FR-P, Flintlastic FR-P CoolStar, Flintlastic Premium FR-P, Flintlastic Premium FR-P CoolStar, Flintlastic GMS |                                                                                                     |
|                                  | Base Ply: | Flintlastic Ultra Poly SMS Base Sheet, Flintlastic Base 20 T                                                              |                                                                                                     |
| SBS-1A                           | Base Ply: | Flintlastic Ultra Poly SMS Base Sheet, Flintlastic Base 20 T                                                              | hot asphalt at 20-40 lbs/square                                                                     |
|                                  | Ply:      | One or more Flintlastic Ultra Poly SMS Base Sheet, Flintlastic Base 20 T                                                  |                                                                                                     |
|                                  | Base Ply: | One or more Flintlastic APP Base T, Flintlastic STA                                                                       |                                                                                                     |
|                                  | Cap Ply:  | Flintlastic STA, Flintlastic GTA, Flintlastic GTA CoolStar, Flintlastic GTA-FR, Flintlastic GTA-FR CoolStar               |                                                                                                     |
| SBS-SA-H                         | Base Ply: | Black Diamond Base Sheet, Flintlastic Ultra Glass SA                                                                      | self-adhering (activated by overlying membrane)                                                     |
|                                  | Base Ply: | Flintlastic SA PlyBase, Flintlastic SA Mid Ply                                                                            |                                                                                                     |
|                                  | Ply:      | Flintlastic SA PlyBase, Flintlastic SA Mid Ply                                                                            |                                                                                                     |
|                                  | Cap Ply:  | Flintlastic SA Cap, Flintlastic SA Cap CoolStar, Flintlastic SA Cap FR, Flintlastic SA Cap FR CoolStar                    |                                                                                                     |



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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.

| CONCRETE DECKS: VAPOR BARRIER OPTIONS, FOLLOWED BY BONDED INSULATION |               |                                                                                                                                                                                                                   |                                                                               |                                          |
|----------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------|
| OPTION #                                                             | PRIMER        | VAPOR BARRIER                                                                                                                                                                                                     |                                                                               | ADHESIVE PER TABLE 3A<br>(Notes 6, 7, 8) |
|                                                                      |               | TYPE                                                                                                                                                                                                              | ATTACH                                                                        |                                          |
| C-VB-1.                                                              | FlintPrime QD | Flintlastic SA PlyBase                                                                                                                                                                                            | Self-adhering                                                                 | OB500, 12-inch o.c.                      |
| C-VB-2.                                                              | None          | All Weather/Empire Base Sheet, 3-inch wide side laps and 6-inch wide end laps are sealed with HB Fuller "HB Fuller "Millennium Hurricane Force Lap and Flashing Adhesive"                                         | HB Fuller "Millennium Hurricane Force Membrane Adhesive HS", max. 6-inch o.c. | M-OSFA or M-PG1, 12-inch o.c.            |
| C-VB-3.                                                              | None          | Flintlastic Ultra Poly SMS Base Sheet, 3-inch wide side laps and 6-inch wide end laps are hot-air-welded, torch-welded or sealed with HB Fuller "HB Fuller "Millennium Hurricane Force Lap and Flashing Adhesive" | HB Fuller "Millennium Hurricane Force Membrane Adhesive HS", max. 6-inch o.c. | M-OSFA or M-PG1, 12-inch o.c.            |
| C-VB-4.                                                              | FlintPrime QD | Black Diamond Base Sheet, Flintlastic Ultra Glass SA or Flintlastic SA Cap                                                                                                                                        | Self-adhering                                                                 | M-OSFA or M-PG1, 12-inch o.c.            |
| C-VB-5.                                                              | FlintPrime QD | Black Diamond Base Sheet, Flintlastic Ultra Glass SA or Flintlastic SA Cap                                                                                                                                        | Self-adhering                                                                 | M-OSFA or M-PG1, 6-inch o.c.             |
| C-VB-6.                                                              | FlintPrime QD | Flintlastic GTA                                                                                                                                                                                                   | Torch-applied                                                                 | M-OSFA or M-PG1, 12-inch o.c.            |
| C-VB-7.                                                              | FlintPrime QD | Flintlastic Base 20 T                                                                                                                                                                                             | Torch-applied                                                                 | M-OSFA or M-PG1, 12-inch o.c.            |

17 The following products are interchangeable within the scope of this Evaluation Report.

| ACCEPTABLE ALTERNATES |                                    |         |                                      |                                  |
|-----------------------|------------------------------------|---------|--------------------------------------|----------------------------------|
| SUB-CATEGORY          | MANUFACTURER                       | FBC     | LISTED PRODUCT HEREIN                | ALTERNATE                        |
| Adhesives             | H.B. Fuller Company                | FL1800  | M-OSFA                               | FlintFast OS Insulation Adhesive |
|                       |                                    |         | M-PG1                                | FlintFast LV Insulation Adhesive |
|                       |                                    |         | TruFast #12 DP                       | FlintFast #12 Fastener           |
|                       |                                    |         | TruFast #14 HD                       | FlintFast #14 Fastener           |
|                       |                                    |         | TruFast #15 EHD                      | FlintFast #15 EHD Fastener       |
| Roofing Fasteners     | Atlenloh, Brinck and Co. U.S, Inc. | FL4500  | TruFast 2" Barbed Metal Seam Plate   | FlintFast 2" Barbed Seam Plate   |
|                       |                                    |         | TruFast 2.4" Barbed Metal Seam Plate | FlintFast 2.4" Barbed Seam Plate |
|                       |                                    |         | TruFast 3" Metal Insulation Plate    | FlintFast 3" Insulation Plate    |
|                       |                                    |         | ACFoam II                            | FlintBoard ISO                   |
|                       |                                    |         | ACFoam III                           | FlintBoard ISO Cold              |
| Roofing Insulation    | Atlas Roofing                      | FL17989 |                                      | FlintBoard ISO Cold              |
|                       | Hunter Panels                      | FL5968  | H-Shield                             | FlintBoard ISO                   |
|                       | Georgia-Pacific Gypsum, LLC        | FL1250  | H-Shield CG                          | FlintBoard ISO Cold              |
|                       |                                    |         | DensDeck Prime                       | DensDeck StormX Prime Roof Board |

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



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

| Sys. No.               | Deck<br>(Note 1)                                                          | Base Insulation                     |                              | Top Insulation                                                                                                                 |                              | Primer        | Roof Cover (Note 15)            |                                            |                  | MDP<br>(psf) |
|------------------------|---------------------------------------------------------------------------|-------------------------------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|---------------------------------|--------------------------------------------|------------------|--------------|
|                        |                                                                           | Type                                | Attach<br>(Notes 6,7,8)      | Type                                                                                                                           | Attach<br>(Notes 6,7,8)      |               | Base Ply                        | Ply                                        | Cap Ply          |              |
| SELF-ADHERING SYSTEMS: |                                                                           |                                     |                              |                                                                                                                                |                              |               |                                 |                                            |                  |              |
| W-1                    | Min. 15/32-inch APA rated CDX plywood, 24-inch span                       | Min. 1.5-inch ACFoam II or H-Shield | M-OSFA or M-PG1              | (Optional) Additional layer(s) of base insulation and/or min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board.   | M-OSFA or M-PG1              | FlintPrime QD | SBS-SA                          | (Optional) SBS-SA                          | SBS-SA           | -60.0        |
| W-2                    | Min. 15/32-inch APA rated CDX plywood, 24-inch span                       | Min. 1.5-inch ACFoam II or H-Shield | OB500                        | (Optional) Additional layer(s) of base insulation and/or min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board.                     | OB500                        | FlintPrime QD | SBS-SA                          | (Optional) SBS-SA                          | SBS-SA           | -60.0        |
| W-3                    | Min. 15/32-inch APA rated CDX plywood, 24-inch span, blocked 48-inch o.c. | Min. 1.5-inch ACFoam II or H-Shield | M-OSFA or M-PG1, 6-inch o.c. | (Optional) Additional layer(s) of base insulation and/or min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board.   | M-OSFA or M-PG1, 6-inch o.c. | FlintPrime QD | SBS-SA                          | (Optional) SBS-SA                          | SBS-SA           | -97.5        |
| W-4                    | Min. 15/32-inch APA rated CDX plywood, 24-inch span, blocked 48-inch o.c. | Min. 1.5-inch ACFoam II or H-Shield | OB500, 6-inch o.c.           | (Optional) Additional layer(s) of base insulation and/or min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board.                     | OB500, 6-inch o.c.           | FlintPrime QD | SBS-SA                          | (Optional) SBS-SA                          | SBS-SA           | -97.5        |
| HYBRID SYSTEMS:        |                                                                           |                                     |                              |                                                                                                                                |                              |               |                                 |                                            |                  |              |
| W-5                    | Min. 15/32-inch APA rated CDX plywood, 24-inch span                       | Min. 1.5-inch ACFoam II or H-Shield | M-OSFA or M-PG1              | (Optional) Additional layer(s) of base insulation and/or min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board.   | M-OSFA or M-PG1              | None          | SBS-SA-H                        | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -60.0        |
| W-6                    | Min. 15/32-inch APA rated CDX plywood, 24-inch span                       | Min. 1.5-inch ACFoam II or H-Shield | OB500                        | (Optional) Additional layer(s) of base insulation and/or min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board.                     | OB500                        | None          | SBS-SA-H                        | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -60.0        |
| W-7                    | Min. 15/32-inch APA rated CDX plywood, 24-inch span, blocked 48-inch o.c. | Min. 1.5-inch ACFoam II or H-Shield | M-OSFA or M-PG1, 6-inch o.c. | (Optional) Additional layer(s) of base insulation and/or min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board.   | M-OSFA or M-PG1, 6-inch o.c. | None          | SBS-SA-H                        | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -97.5        |
| W-8                    | Min. 15/32-inch APA rated CDX plywood, 24-inch span, blocked 48-inch o.c. | Min. 1.5-inch ACFoam II or H-Shield | OB500, 6-inch o.c.           | (Optional) Additional layer(s) of base insulation and/or min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board.                     | OB500, 6-inch o.c.           | None          | SBS-SA-H                        | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -97.5        |
| CONVENTIONAL SYSTEMS:  |                                                                           |                                     |                              |                                                                                                                                |                              |               |                                 |                                            |                  |              |
| W-9                    | Min. 15/32-inch APA rated CDX plywood, 24-inch span                       | Min. 1.5-inch ACFoam II or H-Shield | M-OSFA or M-PG1              | Optional additional layers of base insulation, followed by min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board. | M-OSFA or M-PG1              | None          | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -60.0        |
| W-10                   | Min. 15/32-inch APA rated CDX plywood, 24-inch span                       | Min. 1.5-inch ACFoam II or H-Shield | OB500                        | (Optional) Additional layer(s) of base insulation and/or min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board.                     | OB500                        | None          | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -60.0        |
| W-11                   | Min. 15/32-inch APA rated CDX plywood, 24-inch span, blocked 48-inch o.c. | Min. 1.5-inch ACFoam II or H-Shield | M-OSFA or M-PG1, 6-inch o.c. | Optional additional layers of base insulation, followed by min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board. | M-OSFA or M-PG1, 6-inch o.c. | None          | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -97.5        |

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P.E. EVALUATION REPORT: 8<sup>TH</sup> EDITION (2023) FBC NON-HVHZ

CertainTeed Flintlastic® Modified Bitumen Roof Systems, (610) 893-5400  
TOP OF APPENDIX

PEER-CTR-003.A.R31 for FLZ533-R30 (NON-HVHZ)

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

| Sys. No. | Deck<br>(Note 1)                                                          | Base Insulation                     |                         | Top Insulation                                                                                             |                         | Primer | Roof Cover (Note 15)            |                                            |                  | MDP<br>(psf) |
|----------|---------------------------------------------------------------------------|-------------------------------------|-------------------------|------------------------------------------------------------------------------------------------------------|-------------------------|--------|---------------------------------|--------------------------------------------|------------------|--------------|
|          |                                                                           | Type                                | Attach<br>(Notes 6,7,8) | Type                                                                                                       | Attach<br>(Notes 6,7,8) |        | Base Ply                        | Ply                                        | Cap Ply          |              |
| W-12     | Min. 15/32-inch APA rated CDX plywood, 24-inch span, blocked 48-inch o.c. | Min. 1.5-inch ACFoam II or H-Shield | OB500, 6-inch o.c.      | (Optional) Additional layer(s) of base insulation and/or min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board. | OB500, 6-inch o.c.      | None   | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -97.5        |

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

| System No.             | Deck<br><a href="#">[Note 1]</a>      | Base Insulation Layer                        |                                                                  |               | Top Insulation Layer                                                                                      |                                              |                                 | Roof Cover <a href="#">[Note 15]</a>       |                  |        | MDP<br><a href="#">[psf]</a> |
|------------------------|---------------------------------------|----------------------------------------------|------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------|--------------------------------------------|------------------|--------|------------------------------|
|                        |                                       | Type                                         | Fasten <a href="#">[Note 11]</a>                                 | Attach        | Type                                                                                                      | Attach<br><a href="#">[Notes 6,7,8]</a>      | Base Ply                        | Ply                                        | Cap Ply          |        |                              |
| SELF-ADHERING SYSTEMS: |                                       |                                              |                                                                  |               |                                                                                                           |                                              |                                 |                                            |                  |        |                              |
| W-13                   | Min. 15/32-inch plywood, 24-inch span | Min. 2-inch ACFoam II or H-Shield            | Note 2                                                           | 1 per 2.7 ft² | Min. 2-inch H-Shield HD Composite CG                                                                      | M-OSFA or M-PG1                              | SBS-SA                          | (Optional) SBS-SA                          | SBS-SA           | -30.0  |                              |
| W-14                   | Min. 15/32-inch plywood, 24-inch span | Min. 2-inch ACFoam II or H-Shield            | Dekfast DF-#14-PH3 with Dekfast PLT-R-3                          | 1 per 2.0 ft² | Min. 2-inch H-Shield HD Composite CG                                                                      | M-OSFA or M-PG1                              | SBS-SA                          | (Optional) SBS-SA                          | SBS-SA           | -52.5  |                              |
| HYBRID SYSTEMS:        |                                       |                                              |                                                                  |               |                                                                                                           |                                              |                                 |                                            |                  |        |                              |
| W-15                   | Min. 15/32-inch plywood, 24-inch span | Min. 2-inch ACFoam II or H-Shield            | Note 2                                                           | 1 per 2.7 ft² | Min. 2-inch H-Shield HD Composite CG                                                                      | M-OSFA or M-PG1                              | SBS-SA-H                        | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -30.0  |                              |
| W-16                   | Min. 15/32-inch plywood, 24-inch span | Min. 2-inch ACFoam II or H-Shield            | Dekfast DF-#14-PH3 with Dekfast PLT-R-3                          | 1 per 2.0 ft² | Min. 2-inch H-Shield HD Composite CG                                                                      | M-OSFA or M-PG1                              | SBS-SA-H                        | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -52.5  |                              |
| W-17                   | Min. 15/32-inch plywood, 24-inch span | Min. 1.5-inch ACFoam II or H-Shield          | Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plates | 1 per 1.3 ft² | Min. 1.5-inch ACFoam II or H-Shield                                                                       | hot asphalt, M-OSFA, M-PG1 Insta Stik, OB500 | SBS-SA-H                        | (Optional) APP-TA                          | APP-TA           | -67.5  |                              |
| CONVENTIONAL SYSTEMS:  |                                       |                                              |                                                                  |               |                                                                                                           |                                              |                                 |                                            |                  |        |                              |
| W-18                   | Min. 23/32-inch plywood, 24-inch span | Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield | Note 2                                                           | 1 per 2.0 ft² | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation, min. 0.75-inch Fescoboard (homogeneous) | hot asphalt                                  | BP-AA or SBS-AA                 | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -45.0* |                              |
| W-19                   | Min. 23/32-inch plywood, 24-inch span | Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield | Note 2                                                           | 1 per 2.0 ft² | Min. 0.25-inch DensDeck, DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board                              | hot asphalt                                  | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -45.0* |                              |



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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<br><a href="#">(Note 1)</a>      | Base Insulation Layer               |                                                                  |               | Top Insulation Layer                                                                                         |                                               |          | Roof Cover <a href="#">(Note 15)</a> |         |       | MDP<br><a href="#">(psf)</a> |
|-----------------------|---------------------------------------|-------------------------------------|------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----------|--------------------------------------|---------|-------|------------------------------|
|                       |                                       | Type                                | Fasten <a href="#">(Note 11)</a>                                 | Attach        | Type                                                                                                         | Attach<br><a href="#">(Notes 6,7,8)</a>       | Base Ply | Ply                                  | Cap Ply |       |                              |
| W-20                  | Min. 15/32-inch plywood, 24-inch span | Min. 1.5-inch ACFoam II or H-Shield | Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plates | 1 per 1.3 ft² | Optional additional layer(s) of base insulation followed by Min. 0.25-inch SECURROCK Gypsum-Fiber Roof board | hot asphalt, M-OSFA, M-PGI, Insta Stik, OB500 | APP-TA   | (Optional) APP-TA                    | APP-TA  | -90.0 |                              |
| COLD-APPLIED SYSTEMS: |                                       |                                     |                                                                  |               |                                                                                                              |                                               |          |                                      |         |       |                              |
| W-21                  | Min. 15/32-inch plywood, 24-inch span | Min. 2-inch ACFoam II or H-Shield   | Note 2                                                           | 1 per 2.7 ft² | Min. 2-inch H-Shield HD Composite CG                                                                         | M-OSFA or M-PGI                               | SBS-CA4  | None                                 | SBS-CA4 | -30.0 |                              |
| W-22                  | Min. 15/32-inch plywood, 24-inch span | Min. 2-inch ACFoam II or H-Shield   | Dekfast DF-#14-PH3 with Dekfast PLT-R-3                          | 1 per 2.0 ft² | Min. 2-inch H-Shield HD Composite CG                                                                         | M-OSFA or M-PGI                               | SBS-CA4  | None                                 | SBS-CA4 | -45.0 |                              |

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

| Sys. No.               | Deck<br>( <a href="#">Note 1</a> )    | Type                                                                                                                             | Anchor Sheet                                                          |                                                                                               | Base Insulation                                             |                                                                                                | Top Insulation          |                                                                                                | Primer        | Roof Cover ( <a href="#">Note 15</a> ) |                   |         | MDP<br>( <a href="#">psf</a> ) |
|------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------|------------------------------------------------------------------------------------------------|---------------|----------------------------------------|-------------------|---------|--------------------------------|
|                        |                                       |                                                                                                                                  | Fasten<br>( <a href="#">Note 11</a> )                                 | Attach                                                                                        | Type                                                        | Attach<br>( <a href="#">Notes 6,7,8</a> )                                                      | Type                    | Attach<br>( <a href="#">Notes 6,7,8</a> )                                                      |               | Base Ply                               | Ply               | Cap Ply |                                |
| SELF-ADHERING SYSTEMS: |                                       |                                                                                                                                  |                                                                       |                                                                                               |                                                             |                                                                                                |                         |                                                                                                |               |                                        |                   |         |                                |
| W-23                   | Min. 19/32-inch plywood, 24-inch span | Glasbase Base Sheet, All Weather/Empire Base Sheet, Flintlastic Base 20, Poly SMS, Ultra Poly SMS or Flintglas MS Cap (inverted) | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 9-inch o.c. in 4-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows  | Min. 1.5-inch ACFoam II, ENRGV 3, H-Shield or Multi-Max FA3 | hot asphalt                                                                                    | Min. 0.25-inch DensDeck | hot asphalt                                                                                    | FlintPrime QD | SBS-SA                                 | (Optional) SBS-SA | SBS-SA  | -45.0 *                        |
| W-24                   | Min. 19/32-inch plywood, 24-inch span | Glasbase Base Sheet, All Weather/Empire Base Sheet, Poly SMS or Ultra Poly SMS                                                   | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 8-inch o.c. in 3-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows | Min. 1.5-inch ACFoam II, ENRGV 3, H-Shield or Multi-Max FA3 | hot asphalt full coverage or M-OSFA, Insta Stik, OB500, Polyset BM or Polyset CRA, 4-inch o.c. | Min. 0.25-inch DensDeck | hot asphalt full coverage or M-OSFA, Insta Stik, OB500, Polyset BM or Polyset CRA, 6-inch o.c. | FlintPrime QD | SBS-SA                                 | (Optional) SBS-SA | SBS-SA  | -52.5                          |
| W-25                   | Min. 19/32-inch plywood, 24-inch span | Flintglas MS Cap (inverted)                                                                                                      | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 8-inch o.c. in 3-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows | Min. 1.5-inch ACFoam II, ENRGV 3, H-Shield or Multi-Max FA3 | hot asphalt                                                                                    | Min. 0.25-inch DensDeck | hot asphalt                                                                                    | FlintPrime QD | SBS-SA                                 | (Optional) SBS-SA | SBS-SA  | -52.5                          |



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

| Sys. No.              | Deck<br>( <a href="#">Note 1</a> )      | Anchor Sheet                                                                                                                     |                                                                       |                                                                                               | Base Insulation                                                        |                                                                                                | Top Insulation                                   |                                                                                                | Primer        | Roof Cover ( <a href="#">Note 15</a> ) |                                            |                  | MDP<br>( <a href="#">psf</a> ) |
|-----------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------------------------------------------------------------------|---------------|----------------------------------------|--------------------------------------------|------------------|--------------------------------|
|                       |                                         | Type                                                                                                                             | Fasten<br>( <a href="#">Note 11</a> )                                 | Attach                                                                                        | Type                                                                   | Attach<br>( <a href="#">Notes 6,7,8</a> )                                                      | Type                                             | Attach<br>( <a href="#">Notes 6,7,8</a> )                                                      |               | Base Ply                               | Ply                                        | Cap Ply          |                                |
| W-26                  | Min. 19/32-inch plywood, 24-inch span   | Glasbase Base Sheet, All Weather/Empire Base Sheet, Poly SMS or Ultra Poly SMS                                                   | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 8-inch o.c. in 3-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows | (Optional) Min. 1.5-inch ACFoam II, ENRGV 3, H-Shield or Multi-Max FA3 | hot asphalt full coverage or M-OSFA, Insta Stik, OB500, Polyset BM or Polyset CRA, 4-inch o.c. | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | hot asphalt full coverage or M-OSFA, Insta Stik, OB500, Polyset BM or Polyset CRA, 6-inch o.c. | FlintPrime QD | SBS-SA                                 | (Optional) SBS-SA                          | SBS-SA           | -60.0                          |
| W-27                  | Min. 19/32-inch plywood, 24-inch span   | Flintglas MS Cap (Inverted)                                                                                                      | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 8-inch o.c. in 3-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows | (Optional) Min. 1.5-inch ACFoam II, ENRGV 3, H-Shield or Multi-Max FA3 | hot asphalt                                                                                    | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | hot asphalt                                                                                    | FlintPrime QD | SBS-SA                                 | (Optional) SBS-SA                          | SBS-SA           | -60.0                          |
| HYBRID SYSTEMS:       |                                         |                                                                                                                                  |                                                                       |                                                                                               |                                                                        |                                                                                                |                                                  |                                                                                                |               |                                        |                                            |                  |                                |
| W-28                  | Min. 19/32-inch plywood, 24-inch span   | Glasbase Base Sheet, All Weather/Empire Base Sheet, Flintlastic Base 20, Poly SMS, Ultra Poly SMS or Flintglas MS Cap (Inverted) | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 9-inch o.c. in 4-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows  | Min. 1.5-inch ACFoam II, ENRGV 3, H-Shield or Multi-Max FA3            | hot asphalt                                                                                    | None                                             | N/A                                                                                            | None          | SBS-SA-H                               | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or App-TA | -45.0*                         |
| W-29                  | Min. 19/32-inch plywood at max. 24-inch | Glasbase Base Sheet or Flintglas MS Cap (Inverted)                                                                               | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 8-inch o.c. in 3-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows | Min. 1.5-inch ACFoam II, ENRGV 3, H-Shield or Multi-Max FA3            | hot asphalt                                                                                    | None                                             | N/A                                                                                            | None          | SBS-SA-H                               | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or App-TA | -60.0                          |
| CONVENTIONAL SYSTEMS: |                                         |                                                                                                                                  |                                                                       |                                                                                               |                                                                        |                                                                                                |                                                  |                                                                                                |               |                                        |                                            |                  |                                |
| W-30                  | Min. 19/32-inch plywood, 24-inch span   | Glasbase Base Sheet, All Weather/Empire Base Sheet, Flintlastic Base 20, Poly SMS, Ultra Poly SMS or Flintglas MS Cap (Inverted) | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 9-inch o.c. in 4-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows  | Min. 1.5-inch ACFoam II, ENRGV 3, H-Shield or Multi-Max FA3            | hot asphalt                                                                                    | Min. 0.25-inch DensDeck                          | hot asphalt                                                                                    | FlintPrime QD | BP-AA, SBS-AA, SBS-TA or APP-TA        | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or App-TA | -45.0*                         |
| W-31                  | Min. 19/32-inch plywood, 24-inch span   | Glasbase Base Sheet, All Weather/Empire Base Sheet, Poly SMS or Ultra Poly SMS                                                   | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 8-inch o.c. in 3-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows | Min. 1.5-inch ACFoam II, ENRGV 3, H-Shield or Multi-Max FA3            | hot asphalt full coverage or M-OSFA, Insta Stik, OB500, Polyset BM or Polyset CRA, 4-inch o.c. | Min. 0.25-inch DensDeck                          | hot asphalt full coverage or M-OSFA, Insta Stik, OB500, Polyset BM or Polyset CRA, 6-inch o.c. | FlintPrime QD | BP-AA, SBS-AA, SBS-TA or APP-TA        | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or App-TA | -52.5                          |



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

| Sys. No. | Deck<br><a href="#">[Note 1]</a>      | Anchor Sheet                                                                   |                                                                       |                                                                                               | Base Insulation                                                        |                                                                                                | Top Insulation                                   |                                                                                                | Primer | Roof Cover <a href="#">[Note 15]</a> |                                            |       | MDP<br><a href="#">[psf]</a> |
|----------|---------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------------------------------------------------------------------|--------|--------------------------------------|--------------------------------------------|-------|------------------------------|
|          |                                       | Type                                                                           | Fasten<br><a href="#">[Note 11]</a>                                   | Attach                                                                                        | Type                                                                   | Attach<br><a href="#">[Notes 6,7,8]</a>                                                        | Type                                             | Attach<br><a href="#">[Notes 6,7,8]</a>                                                        |        | Base Ply                             |                                            |       |                              |
|          |                                       |                                                                                |                                                                       |                                                                                               |                                                                        |                                                                                                |                                                  |                                                                                                |        | Ply                                  | Cap Ply                                    |       |                              |
| W-32     | Min. 19/32-inch plywood, 24-inch span | Glasbase Base Sheet, All Weather/Empire Base Sheet, Poly SMS or Ultra Poly SMS | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 8-inch o.c. in 3-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows | (Optional) Min. 1.5-inch ACfoam II, ENRGY 3, H-Shield or Multi-Max FA3 | hot asphalt full coverage or M-OSFA, Insta Stik, OB500, Polyset BM or Polyset CRA, 4-inch o.c. | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | hot asphalt full coverage or M-OSFA, Insta Stik, OB500, Polyset BM or Polyset CRA, 6-inch o.c. | None   | BP-AA, SBS-AA, SBS-TA or APP-TA      | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | -60.0 |                              |

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

| System No.             | Deck<br>(Note 1)                      | Base Insulation Layer<br>(Note 3, Note 13)                 | Top Insulation Layer                                        |                                                                 |                | Primer        | Roof Cover (Note 15) |                                            |                  | MDP<br>(psf) |
|------------------------|---------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------------|----------------|---------------|----------------------|--------------------------------------------|------------------|--------------|
|                        |                                       |                                                            | Type                                                        | Fasten (Note 11)                                                | Attach         |               | Base Ply             | Ply                                        | Cap Ply          |              |
| Self-Adhering Systems: |                                       |                                                            |                                                             |                                                                 |                |               |                      |                                            |                  |              |
| W-33                   | Min. 15/32-inch plywood, 24-inch span | (Optional) One or more layers, any combination, loose laid | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board            | Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate | 1 per 3.2 ft²  | None          | SBS-SA               | (Optional) SBS-SA                          | SBS-SA           | -30.0*       |
| W-34                   | Min. 19/32-inch plywood, 24-inch span | (Optional) One or more layers, any combination, loose laid | Min. 0.25-inch DensDeck                                     | Note 2                                                          | 1 per 1.3 ft²  | FlintPrime QD | SBS-SA               | (Optional) SBS-SA                          | SBS-SA           | -45.0        |
| W-35                   | Min. 19/32-inch plywood, 24-inch span | (Optional) One or more layers, any combination, loose laid | Min. 3/8-inch SECURROCK Gypsum-Fiber Roof Board             | Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate | 1 per 2.7 ft²  | None          | SBS-SA               | (Optional) SBS-SA                          | SBS-SA           | -45.0*       |
| W-36                   | Min. 19/32-inch plywood, 24-inch span | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3 | Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate | 1 per 2.0 ft²  | FlintPrime QD | SBS-SA               | (Optional) SBS-SA                          | SBS-SA           | -45.0*       |
| W-37                   | Min. 15/32-inch plywood, 24-inch span | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch ACFoam II                                     | Trufast #14 HD with Trufast 3" Metal Insulation Plate           | 1 per 1.6 ft²  | FlintPrime QD | SBS-SA               | (Optional) SBS-SA                          | SBS-SA           | -52.5        |
| W-38                   | Min. 19/32-inch plywood, 24-inch span | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3 | Note 2                                                          | 1 per 1.45 ft² | FlintPrime QD | SBS-SA               | (Optional) SBS-SA                          | SBS-SA           | -60.0        |
| Hybrid Systems:        |                                       |                                                            |                                                             |                                                                 |                |               |                      |                                            |                  |              |
| W-39                   | Min. 15/32-inch plywood, 24-inch span | (Optional) One or more layers, any combination, loose laid | Min. 0.25-inch DensDeck, DensDeck Prime                     | Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate | 1 per 2.0 ft²  | None          | SBS-SA-H             | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -30.0*       |



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TABLE 10: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

| System No.            | Deck<br>(Note 1)                      | Base Insulation Layer<br>(Note 3, Note 13)                                            | Top Insulation Layer                                                                                      |                                                                 |                            | Primer | Roof Cover (Note 15)            |                                            |                  | MDP<br>(psf) |
|-----------------------|---------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------|--------|---------------------------------|--------------------------------------------|------------------|--------------|
|                       |                                       |                                                                                       | Type                                                                                                      | Fasten (Note 11)                                                | Attach                     |        | Base Ply                        | Ply                                        | Cap Ply          |              |
| W-40                  | Min. 15/32-inch plywood, 24-inch span | (Optional) One or more layers, any combination, loose laid                            | Min. 1.5-inch ACFoam II                                                                                   | Trufast #14 HD with Trufast 3" Metal Insulation Plate           | 1 per 1.6 ft <sup>2</sup>  | None   | SBS-SA-H                        | (Optional) SBS-TA or APP-TA                | APP-TA           | -52.5        |
| W-41                  | Min. 15/32-inch plywood, 24-inch span | (Optional) One or more layers, any combination, loose laid                            | Min. 1.5-inch ACFoam II, ENRGV 3 or Multi-Max FA3                                                         | Note 2                                                          | 1 per 1.3 ft <sup>2</sup>  | None   | SBS-SA-H                        | (Optional) BP-AA or SBS-AA                 | SBS-AA           | -52.5        |
| W-42                  | Min. 19/32-inch plywood, 24-inch span | (Optional) One or more layers, any combination, loose laid                            | Min. 1.5-inch ACFoam II or H-Shield                                                                       | Note 2                                                          | 1 per 1.45 ft <sup>2</sup> | None   | SBS-SA-H                        | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -60.0        |
| W-43                  | Min. 15/32-inch plywood, 24-inch span | (Optional) Min. 1.5-inch, One or more layers, any combination, loose laid             | Min. 1.5-inch ACFoam II or H-Shield                                                                       | Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.3 ft <sup>2</sup>  | None   | SBS-SA-H                        | (Optional) SBS-AA, SBS-TA or APP-TA        | SBS-AA or APP-TA | -75.0        |
| W-44                  | Min. 19/32-inch plywood, 24-inch span | (Optional) One or more layers, any combination, loose laid                            | Min. 1.5-inch ACFoam II, ENRGV 3 or Multi-Max FA3                                                         | Note 2                                                          | 1 per 1.3 ft <sup>2</sup>  | None   | SBS-SA-H                        | (Optional) SBS-TA or APP-TA                | APP-TA           | -82.5        |
| CONVENTIONAL SYSTEMS: |                                       |                                                                                       |                                                                                                           |                                                                 |                            |        |                                 |                                            |                  |              |
| W-45                  | Min. 23/32-inch plywood, 24-inch span | (Optional) One or more layers, any combination, loose laid                            | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation, min. 0.75-inch Fescoboard (homogeneous) | Note 2                                                          | 1 per 2.0 ft <sup>2</sup>  | None   | BP-AA or SBS-AA                 | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -45.0*       |
| W-46                  | Min. 15/32-inch plywood, 24-inch span | (Optional) One or more layers, any combination, loose laid                            | Min. 0.25-inch DensDeck, DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board                              | Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate | 1 per 2.0 ft <sup>2</sup>  | None   | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -45.0*       |
| W-47                  | Min. 15/32-inch plywood, 24-inch span | (Optional for Recover) Min. 1.5-inch, One or more layers, any combination, loose laid | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                                                          | Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.45 ft <sup>2</sup> | None   | APP-TA                          | (Optional) APP-TA                          | APP-TA           | -60.0        |
| W-48                  | Min. 19/32-inch plywood, 24-inch span | Min. 2-inch ACFoam II, ENRGV 3 or H-Shield, loose laid.                               | Min. 0.5-inch SECURROCK Gypsum-Fiber Roof Board                                                           | Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.8 ft <sup>2</sup>  | None   | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -60.0        |
| W-49                  | Min. 15/32-inch plywood, 24-inch span | (Optional for Recover) Min. 1.5-inch, One or more layers, any combination, loose laid | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                                                          | Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.3 ft <sup>2</sup>  | None   | APP-TA                          | (Optional) APP-TA                          | APP-TA           | -67.5        |



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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<br>( <a href="#">Note 1</a> )    | Insulation Layer(s)<br>( <a href="#">Note 3</a> , <a href="#">Note 13</a> ) |                | Attach                                                                                                           | Base Sheet                                                                                                     |                                                                                                    |                                | Primer                          | Roof Cover ( <a href="#">Note 15</a> ) |         | MDP<br>( <a href="#">psf</a> ) |
|------------------------|---------------------------------------|-----------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------|---------------------------------|----------------------------------------|---------|--------------------------------|
|                        |                                       | Type                                                                        | Type           |                                                                                                                  | Fasten ( <a href="#">Note 11</a> )                                                                             | Attach                                                                                             | Base Ply                       |                                 | Cap Ply                                |         |                                |
| Self-Adhering Systems: |                                       |                                                                             |                |                                                                                                                  |                                                                                                                |                                                                                                    |                                |                                 |                                        |         |                                |
| W-50                   | Min. 19/32-inch plywood, 24-inch span | Min. 1.5-inch, One or more layers, any combination                          | Prelim. Attach | Flintlastic SA NailBase                                                                                          | Note 2                                                                                                         | 8-inch o.c. at min. 3-inch lap and 8-inch o.c. in two (2), equally spaced, staggered center rows   | FlintPrime QD at stress plates | (Optional) SBS-SA               | SBS-SA                                 | -82.5*  |                                |
| W-51                   | Min. 15/32-inch plywood, 24-inch span | Min. 1.5-inch, One or more layers, any combination                          | Prelim. Attach | Flintlastic SA NailBase                                                                                          | OMG #14 HD with OMG3 in. Round Metal Plate or Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate  | 6-inch o.c. at min. 2-inch lap and 6-inch o.c. in three (3), equally spaced, staggered center rows | FlintPrime QD at stress plates | (Optional) SBS-SA               | SBS-SA                                 | -97.5*  |                                |
| W-52                   | Min. 15/32-inch plywood, 24-inch span | Min. 1.5-inch, One or more layers, any combination                          | Prelim. Attach | Flintlastic SA NailBase                                                                                          | OMG #14 HD with OMG 3 in. Round Metal Plate or Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate | 6-inch o.c. at min. 2-inch lap and 6-inch o.c. in four (4), equally spaced, staggered center rows  | FlintPrime QD at stress plates | (Optional) SBS-SA               | SBS-SA                                 | -127.5* |                                |
| Hybrid Systems:        |                                       |                                                                             |                |                                                                                                                  |                                                                                                                |                                                                                                    |                                |                                 |                                        |         |                                |
| W-53                   | Min. 15/32-inch plywood, 24-inch span | Min. 1.5-inch, One or more layers, any combination                          | Prelim. Attach | Glasbase Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet | OMG #14 HD with OMG 3 in. Round Metal Plate or Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate | 6-inch o.c. at 4-inch lap and 6-inch o.c. in three (3), equally spaced, staggered center rows      | FlintPrime QD at stress plates | SBS-SA-H                        | SBS-AA or App-TA                       | -97.5   |                                |
| W-54                   | Min. 19/32-inch plywood, 24-inch span | Min. 1.5-inch, One or more layers, any combination                          | Prelim. Attach | Glasbase Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet | Note 2                                                                                                         | 7-inch o.c. at 3-inch lap and 7-inch o.c. in three (3), equally spaced, staggered center rows      | None                           | SBS-SA-H                        | SBS-AA or App-TA                       | -105.0  |                                |
| W-55                   | Min. 15/32-inch plywood, 24-inch span | Min. 1.5-inch, One or more layers, any combination                          | Prelim. Attach | Glasbase Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet | OMG #14 HD with OMG 3 in. Round Metal Plate or Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate | 6-inch o.c. at 4-inch lap and 6-inch o.c. in four (4), equally spaced, staggered center rows       | FlintPrime QD at stress plates | SBS-SA-H                        | SBS-AA or App-TA                       | -127.5  |                                |
| Conventional Systems:  |                                       |                                                                             |                |                                                                                                                  |                                                                                                                |                                                                                                    |                                |                                 |                                        |         |                                |
| W-56                   | Min. 23/32-inch plywood, 24-inch span | Min. 1.5-inch, One or more layers, any combination                          | Prelim. Attach | Glasbase Base Sheet, All Weather/Empire Base Sheet, Flintlastic Base 20 or Flintglas MS Cap (inverted)           | Note 2                                                                                                         | 12-inch o.c. at 4-inch lap and 36-inch o.c. in two (2), equally spaced, staggered center rows      | None                           | BP-AA, SBS-AA, SBS-TA or App-TA | SBS-AA or App-TA                       | -30.0*  |                                |



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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<br>( <a href="#">Note 1</a> )    | Insulation Layer(s)<br>( <a href="#">Note 3</a> , <a href="#">Note 13</a> ) |                | Base Sheet                                                                                                                                                                     |                                                                                                                |                                                                                                | Primer | Roof Cover ( <a href="#">Note 15</a> )     |                  | MDP<br>( <a href="#">psf</a> ) |
|------------|---------------------------------------|-----------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------|--------------------------------------------|------------------|--------------------------------|
|            |                                       | Type                                                                        | Attach         | Type                                                                                                                                                                           | Fasten ( <a href="#">Note 11</a> )                                                                             | Attach                                                                                         |        | Base Ply                                   | Cap Ply          |                                |
|            |                                       |                                                                             |                |                                                                                                                                                                                |                                                                                                                |                                                                                                |        |                                            |                  |                                |
| W-57       | Min. 23/32-inch plywood, 24-inch span | Min. 1.5-inch, One or more layers, any combination                          | Prelim. Attach | Glasbase Base Sheet, All Weather/Empire Base Sheet, Flintlastic Base 20 or Flintglas MS Cap (inverted)                                                                         | Note 2                                                                                                         | 12-inch o.c. at 4-inch lap and 24-inch o.c. in two (2), equally spaced, staggered center rows  | None   | BP-AA, SBS-AA, SBS-TA or APP-TA            | SBS-AA or APP-TA | -45.0*                         |
| W-58       | Min. 23/32-inch plywood, 24-inch span | Min. 1.5-inch, One or more layers, any combination                          | Prelim. Attach | Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet                                                                                                         | Note 2                                                                                                         | 12-inch o.c. at 4-inch lap and 36-inch o.c. in two (2), equally spaced, staggered center rows  | None   | BP-AA, SBS-AA, SBS-TA or APP-TA            | SBS-AA or APP-TA | -45.0*                         |
| W-59       | Min. 15/32-inch plywood, 24-inch span | Min. 1.5-inch, One or more layers, any combination                          | Prelim. Attach | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or Flintglas MS Cap (inverted) | OMG #14 HD with OMG 3 in. Round Metal Plate or Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate | 6-inch o.c. at 4-inch lap and 6-inch o.c. in three (3), equally spaced, staggered center rows. | None   | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -97.5                          |
| W-60       | Min. 15/32-inch plywood, 24-inch span | Min. 1.5-inch, One or more layers, any combination                          | Prelim. Attach | Flintlastic APP Base T                                                                                                                                                         | OMG #14 HD with OMG 3 in. Round Metal Plates                                                                   | 6-inch o.c. at 4-inch lap and 6-inch o.c. in three (3), equally spaced, staggered center rows. | None   | APP-TA                                     | APP-TA           | -97.5                          |
| W-61       | Min. 15/32-inch plywood, 24-inch span | One or more layers, any thickness or combination                            | Prelim. Attach | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or Flintglas MS Cap (inverted) | Trufast #14 HD with Trufast 3" Metal Insulation Plate                                                          | 8-inch o.c. at 4-inch lap and 8-inch o.c. at three (3) equally spaced, staggered center rows   | None   | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -97.5                          |
| W-62       | Min. 19/32-inch plywood, 24-inch span | Min. 1.5-inch, One or more layers, any combination                          | Prelim. Attach | Glasbase Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or Flintglas MS Cap (inverted)                                | Note 2                                                                                                         | 7-inch o.c. at 3-inch lap and 7-inch o.c. in three (3), equally spaced, staggered center rows  | None   | BP-AA, SBS-AA, SBS-TA or APP-TA            | SBS-AA or APP-TA | -105.0                         |
| W-63       | Min. 19/32-inch plywood, 24-inch span | Min. 1.5-inch, One or more layers, any combination                          | Prelim. Attach | Flintlastic APP Base T                                                                                                                                                         | Dekfast DF-#14-PH3 with PLT-H-2-7/8 or OMG #14 HD with OMG 3 in. Round Metal Plate                             | 7-inch o.c. at 3-inch lap and 7-inch o.c. in three (3), equally spaced, staggered center rows  | None   | APP-TA                                     | APP-TA           | -105.0                         |
| W-64       | Min. 15/32-inch plywood, 24-inch span | Min. 1.5-inch, One or more layers, any combination                          | Prelim. Attach | Glasbase Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or Flintglas MS Cap (inverted)                                | OMG #14 HD with OMG 3 in. Round Metal Plate or Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate | 6-inch o.c. at 4-inch lap and 6-inch o.c. in four (4), equally spaced, staggered center rows.  | None   | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -127.5                         |



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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<br>( <a href="#">Note 1</a> )    | Insulation Layer(s)<br>( <a href="#">Note 3</a> , <a href="#">Note 13</a> ) |                | Type                                                                                                                                                                           | Base Sheet<br><br><a href="#">Fasten (<a href="#">Note 11</a>)</a> | Attach                                                                                        | Primer | Roof Cover ( <a href="#">Note 15</a> ) |         | MDP<br>( <a href="#">psf</a> ) |
|-----------------------|---------------------------------------|-----------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------|----------------------------------------|---------|--------------------------------|
|                       |                                       | Type                                                                        | Attach         |                                                                                                                                                                                |                                                                    |                                                                                               |        | Base Ply                               | Cap Ply |                                |
| W-65                  | Min. 15/32-inch plywood, 24-inch span | Min. 1.5-inch, One or more layers, any combination                          | Prelim. Attach | Flintlastic APP Base T                                                                                                                                                         | OMG #14 HD with OMG 3 in. Round Metal Plates                       | 6-inch o.c. at 4-inch lap and 6-inch o.c. in four (4), equally spaced, staggered center rows. | None   | APP-TA                                 | APP-TA  | -127.5                         |
| COLD-APPLIED SYSTEMS: |                                       |                                                                             |                |                                                                                                                                                                                |                                                                    |                                                                                               |        |                                        |         |                                |
| W-66                  | Min. 15/32-inch plywood, 24-inch span | Min. 1-inch, One or more layers, any combination                            | Loose-laid     | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or Flintglas MS Cap (inverted) | Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate    | 8-inch o.c. at 4-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows | None   | (Optional) SBS-CA1                     | SBS-CA1 | -52.5                          |

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

| System No.             | Deck<br>(Note 1)                                                   | Base Sheet              |                                                                       |                                                                                                    | Primer                         | Roof Cover (Note 15)                             |         | MDP<br>(psf) |
|------------------------|--------------------------------------------------------------------|-------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------------------------|---------|--------------|
|                        |                                                                    | Base                    | Fasten (Note 11)                                                      | Attach                                                                                             |                                | Base Ply                                         | Cap Ply |              |
| SELF-ADHERING SYSTEMS: |                                                                    |                         |                                                                       |                                                                                                    |                                |                                                  |         |              |
| W-67                   | Min. 15/32-inch plywood, 24-inch span                              | Flintlastic SA NailBase | Simplex MAXX Cap                                                      | 9-inch o.c. at min. 3-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows  | FlintPrime QD at stress plates | (Optional) SBS-SA                                | SBS-SA  | -45.0*       |
| W-68                   | Min. 15/32-inch plywood, 24-inch span                              | Flintlastic SA NailBase | Min. 1-inch long, 12 ga. Simplex Metal Cap Nails                      | 6-inch o.c. at min. 2-inch lap and 6-inch o.c. in four (4), equally spaced, staggered center rows  | None                           | (Optional) SBS-SA                                | SBS-SA  | -52.5        |
| W-69                   | Min. 19/32-inch plywood, 24-inch span                              | Flintlastic SA NailBase | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 8-inch o.c. at min. 2-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows | None                           | (Optional) SBS-SA                                | SBS-SA  | -52.5        |
| W-70                   | APA rated, min. 7/16 CAT, 0.418 in., Exposure 1, OSB, 24-inch span | Flintlastic SA NailBase | Simplex MAXX Cap                                                      | 8-inch o.c. at min. 3-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows | FlintPrime QD at stress plates | (Optional) Flintlastic SA Mid Ply, self-adhering | SBS-SA  | -52.5        |
| W-71                   | Min. 19/32-inch plywood, 24-inch span                              | Flintlastic SA NailBase | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 8-inch o.c. at min. 2-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows | None                           | (Optional) SBS-SA                                | SBS-SA  | -60.0        |



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

| System No.            | Deck<br>(Note 1)                      | Base Sheet                                                                                                                                      |                                                                                                       | Attach                                                                                             | Primer                         | Roof Cover (Note 15) |                  | MDP<br>(psf) |
|-----------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------|----------------------|------------------|--------------|
|                       |                                       | Base                                                                                                                                            | Fasten (Note 11)                                                                                      |                                                                                                    |                                | Base Ply             | Cap Ply          |              |
| W-72                  | Min. 15/32-inch plywood, 24-inch span | Flintlastic SA Nailbase                                                                                                                         | Simplex MAXX Cap                                                                                      | 8-inch o.c. at min. 3-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows | FlintPrime QD at stress plates | (Optional) SBS-SA    | SBS-SA           | -67.5        |
| W-73                  | Min. 19/32-inch plywood, 24-inch span | Flintlastic SA Nailbase                                                                                                                         | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails                                 | 6-inch o.c. at min. 2-inch lap and 6-inch o.c. in four (4), equally spaced, staggered center rows  | None                           | (Optional) SBS-SA    | SBS-SA           | -75.0        |
| W-74                  | Min. 15/32-inch plywood, 24-inch span | Flintlastic SA Nailbase                                                                                                                         | Cap nails: 1-inch diameter, 0.032-inch metal cap with 0.120" shank diameter, annular ring shank nails | 7-inch o.c. at min. 4-inch laps and 7-inch o.c. in five (5), equally spaced, staggered center rows | None                           | (Optional) SBS-SA    | SBS-SA           | -75.0        |
| W-75                  | Min. 19/32-inch plywood, 24-inch span | Flintlastic SA Nailbase                                                                                                                         | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails                                 | 4-inch o.c. at min. 2-inch lap and 4-inch o.c. in four (4), equally spaced, staggered center rows  | None                           | (Optional) SBS-SA    | SBS-SA           | -105.0       |
| HYBRID SYSTEMS:       |                                       |                                                                                                                                                 |                                                                                                       |                                                                                                    |                                |                      |                  |              |
| W-76                  | Min. 19/32-inch plywood, 24-inch span | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails                                 | 9-inch o.c. at 4-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows       | None                           | SBS-SA-H             | SBS-AA or APP-TA | -45.0*       |
| W-77                  | Min. 15/32-inch plywood, 24-inch span | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet | Min. 1-inch long, 12 ga. Simplex Metal Cap Nails                                                      | 6-inch o.c. at 3-inch lap and 6-inch o.c. in four (4), equally spaced, staggered center rows       | None                           | SBS-SA-H             | SBS-AA or APP-TA | -52.5        |
| W-78                  | Min. 19/32-inch plywood, 24-inch span | Glasbase Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet                                | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails                                 | 8-inch o.c. at 4-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows      | None                           | SBS-SA-H             | SBS-AA or APP-TA | -52.5        |
| W-79                  | Min. 19/32-inch plywood, 24-inch span | Glasbase Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet                                | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails                                 | 8-inch o.c. at 4-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows      | None                           | SBS-SA-H             | SBS-AA or APP-TA | -60.0        |
| W-80                  | Min. 19/32-inch plywood, 24-inch span | Glasbase Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet                                | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails                                 | 6-inch o.c. at 4-inch lap and 6-inch o.c. in four (4), equally spaced, staggered center rows       | None                           | SBS-SA-H             | SBS-AA or APP-TA | -82.5        |
| W-81                  | Min. 19/32-inch plywood, 24-inch span | Glasbase Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet                                | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails                                 | 4-inch o.c. at 3-inch lap and 4-inch o.c. in four (4), equally spaced, staggered center rows       | None                           | SBS-SA-H             | SBS-AA or APP-TA | -105.0       |
| CONVENTIONAL SYSTEMS: |                                       |                                                                                                                                                 |                                                                                                       |                                                                                                    |                                |                      |                  |              |



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

| System No. | Deck<br>(Note 1)                      | Base Sheet                                                                                                                                                                     |                                                                                                            |                                                                                               | Primer | Roof Cover (Note 15)                       |                  | MDP<br>(psf) |
|------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------|--------------------------------------------|------------------|--------------|
|            |                                       | Base                                                                                                                                                                           | Fasten (Note 11)                                                                                           | Attach                                                                                        |        | Base Ply                                   | Cap Ply          |              |
| W-82       | Min. 19/32-inch plywood, 24-inch span | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or Flintglas MS Cap (inverted) | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails                                      | 9-inch o.c. at 4-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows  | None   | BP-AA, SBS-AA, SBS-TA or APP-TA            | SBS-AA or APP-TA | -45.0 *      |
| W-83       | Min. 15/32-inch plywood, 24-inch span | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet, Flintlastic Poly SMS Base Sheet or Flintglas MS Cap (inverted)                                        | Simplex MAXX Cap                                                                                           | 9-inch o.c. at 2-inch lap and 18-inch o.c. in two (2), equally spaced, staggered center rows  | None   | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -45.0 *      |
| W-84       | Min. 15/32-inch plywood, 24-inch span | Flintlastic APP Base T                                                                                                                                                         | Simplex MAXX Cap                                                                                           | 9-inch o.c. at 2-inch lap and 18-inch o.c. in two (2), equally spaced, staggered center rows  | None   | (Optional) APP-TA                          | APP-TA           | -45.0 *      |
| W-85       | Min. 15/32-inch plywood, 24-inch span | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or Flintglas MS Cap (inverted) | Min. 1-inch long, 12 ga. Simplex Metal Cap Nails                                                           | 6-inch o.c. at 3-inch lap and 6-inch o.c. in four (4), equally spaced, staggered center rows  | None   | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -52.5        |
| W-86       | Min. 19/32-inch plywood, 24-inch span | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or Flintglas MS Cap (inverted) | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails                                      | 8-inch o.c. at 4-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows | None   | BP-AA, SBS-AA, SBS-TA or APP-TA            | SBS-AA or APP-TA | -52.5        |
| W-87       | Min. 15/32-inch plywood, 24-inch span | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet, Flintlastic Poly SMS Base Sheet or Flintglas MS Cap (inverted)                                        | Simplex MAXX Cap                                                                                           | 9-inch o.c. at 2-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows  | None   | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -52.5        |
| W-88       | Min. 15/32-inch plywood, 24-inch span | Flintlastic APP Base T                                                                                                                                                         | Simplex MAXX Cap                                                                                           | 9-inch o.c. at 2-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows  | None   | (Optional) APP-TA                          | APP-TA           | -52.5        |
| W-89       | Min. 19/32-inch plywood, 24-inch span | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or Flintglas MS Cap (inverted) | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails                                      | 8-inch o.c. at 4-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows | None   | BP-AA, SBS-AA, SBS-TA or APP-TA            | SBS-AA or APP-TA | -60.0        |
| W-90       | Min. 15/32-inch plywood, 24-inch span | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or Flintglas MS Cap (inverted) | Cap nails: 1-inch diameter, 0.032-inch metal cap with 0.120-inch shank diameter, annular ring shank nails. | 6-inch o.c. at 4-inch lap and 6-inch o.c. at five (5) equally spaced, staggered center rows   | None   | (Optional) BP-AA, SBS-AA or SBS-TA         | SBS-AA           | -67.5        |
| W-91       | Min. 19/32-inch plywood, 24-inch span | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or Flintglas MS Cap (inverted) | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails                                      | 6-inch o.c. at 4-inch lap and 6-inch o.c. in four (4), equally spaced, staggered center rows  | None   | BP-AA, SBS-AA, SBS-TA or APP-TA            | SBS-AA or APP-TA | -82.5        |



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

| System No. | Deck<br><a href="#">[Note 1]</a>      | Base Sheet                                                                                                                                                                     |                                                                       |                                                                                               | Primer | Roof Cover <a href="#">[Note 15]</a>       |                  | MDP<br><a href="#">[psf]</a> |
|------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------|--------------------------------------------|------------------|------------------------------|
|            |                                       | Base                                                                                                                                                                           | Fasten <a href="#">[Note 11]</a>                                      | Attach                                                                                        |        | Base Ply                                   | Cap Ply          |                              |
| W-92       | Min. 15/32-inch plywood, 24-inch span | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet, Flintlastic Poly SMS Base Sheet or Flintglas MS Cap (inverted)                                        | Simplex MAXX Cap                                                      | 6-inch o.c. at 2-inch lap and 6-inch o.c. in two (2), equally spaced, staggered center rows   | None   | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -90.0                        |
| W-93       | Min. 15/32-inch plywood, 24-inch span | Flintlastic APP Base T                                                                                                                                                         | Simplex MAXX Cap                                                      | 6-inch o.c. at 2-inch lap and 6-inch o.c. in two (2), equally spaced, staggered center rows   | None   | (Optional) APP-TA                          | APP-TA           | -90.0                        |
| W-94       | Min. 19/32-inch plywood, 24-inch span | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or Flintglas MS Cap (inverted) | 32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails | 4-inch o.c. at 3-inch lap and 4-inch o.c. in four (4), equally spaced, staggered center rows  | None   | BP-AA, SBS-AA, SBS-TA or APP-TA            | SBS-AA or APP-TA | -105.0                       |
| W-95       | Min. 15/32-inch plywood, 24-inch span | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet, Flintlastic Poly SMS Base Sheet or Flintglas MS Cap (inverted)                                        | Simplex MAXX Cap                                                      | 6-inch o.c. at 2-inch lap and 6-inch o.c. in three (3), equally spaced, staggered center rows | None   | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -105.0                       |
| W-96       | Min. 15/32-inch plywood, 24-inch span | Flintlastic APP Base T                                                                                                                                                         | Simplex MAXX Cap                                                      | 6-inch o.c. at 2-inch lap and 6-inch o.c. in three (3), equally spaced, staggered center rows | None   | (Optional) APP-TA                          | APP-TA           | -105.0                       |

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

| System No.             | Deck<br>(Note 1)                                                   | Base Sheet                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                |                                                                                                    | Primer                         | Roof Cover (Note 15)                             |         | MDP<br>(psf) |
|------------------------|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------------------------|---------|--------------|
|                        |                                                                    | Base                                                                                                                                                                                                                                                                                                                                                                 | Fasten (Note 11)                                                                                               | Attach                                                                                             |                                | Base Ply                                         | Cap Ply |              |
| Self-Adhering Systems: |                                                                    |                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                |                                                                                                    |                                |                                                  |         |              |
| W-97                   | APA rated, min. 7/16 CAT, 0.418 in., Exposure 1, OSB, 24-inch span | Flintlastic SA NailBase                                                                                                                                                                                                                                                                                                                                              | Trufast Versa Fastener & Plates, two (2) screws per plate at 180° from each other*                             | 9-inch o.c. at min. 3-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows  | FlintPrime QD at stress plates | (Optional) Flintlastic SA Mid Ply, self-adhering | SBS-SA  | -60.0*       |
|                        | Note:                                                              | *For re-roof (tear-off) or recover applications, field withdrawal resistance testing (Note 11) shall yield minimum 109 lbf. Additional Versa-Fast Fasteners within each Versa-Fast Plate may be utilized to produce minimum withdrawal resistance. For recover installations, screws shall be of sufficient length for minimum 1" penetration through OSB sheathing. |                                                                                                                |                                                                                                    |                                |                                                  |         |              |
| W-98                   | Min. 19/32-inch plywood, 24-inch span                              | Flintlastic SA NailBase                                                                                                                                                                                                                                                                                                                                              | Note 2                                                                                                         | 8-inch o.c. at min. 3-inch lap and 8-inch o.c. in two (2), equally spaced, staggered center rows   | FlintPrime QD at stress plates | (Optional) SBS-SA                                | SBS-SA  | -82.5*       |
| W-99                   | Min. 15/32-inch plywood, 24-inch span                              | Flintlastic SA NailBase                                                                                                                                                                                                                                                                                                                                              | OMG #14 HD with OMG 3 in. Round Metal Plate or Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate | 6-inch o.c. at min. 2-inch lap and 6-inch o.c. in three (3), equally spaced, staggered center rows | FlintPrime QD at stress plates | (Optional) SBS-SA                                | SBS-SA  | -97.5*       |



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

| System No.            | Deck<br><a href="#">[Note 1]</a>      | Base Sheet                                                                                                                                                                     |                                                                                                                | Attach                                                                                            | Primer                         | Roof Cover <a href="#">[Note 15]</a>       |                  | MDP<br><a href="#">[psf]</a> |
|-----------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------------------|------------------|------------------------------|
|                       |                                       | Base                                                                                                                                                                           | Fasten <a href="#">[Note 11]</a>                                                                               |                                                                                                   |                                | Base Ply                                   | Cap Ply          |                              |
| W-100                 | Min. 15/32-inch plywood, 24-inch span | Flintlastic SA NailBase                                                                                                                                                        | OMG #14 HD with OMG 3 in. Round Metal Plate or Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate | 6-inch o.c. at min. 2-inch lap and 6-inch o.c. in four (4), equally spaced, staggered center rows | FlintPrime QD at stress plates | (Optional) SBS-SA                          | SBS-SA           | -127.5*                      |
| HYBRID SYSTEMS:       |                                       |                                                                                                                                                                                |                                                                                                                |                                                                                                   |                                |                                            |                  |                              |
| W-101                 | Min. 15/32-inch plywood, 24-inch span | Glasbase Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet                                                               | OMG #14 HD with OMG 3 in. Round Metal Plate or Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate | 6-inch o.c. at 4-inch lap and 6-inch o.c. in three (3), equally spaced, staggered center rows     | FlintPrime QD at stress plates | SBS-SA-H                                   | SBS-AA or APP-TA | -97.5                        |
| W-102                 | Min. 19/32-inch plywood, 24-inch span | Glasbase Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet                                                               | Note 2                                                                                                         | 7-inch o.c. at 3-inch lap and 7-inch o.c. in three (3), equally spaced, staggered center rows     | None                           | SBS-SA-H                                   | SBS-AA or APP-TA | -105.0                       |
| W-103                 | Min. 15/32-inch plywood, 24-inch span | Glasbase Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet                                                               | OMG #14 HD with OMG 3 in. Round Metal Plate or Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate | 6-inch o.c. at 4-inch lap and 6-inch o.c. in four (4), equally spaced, staggered center rows      | FlintPrime QD at stress plates | SBS-SA-H                                   | SBS-AA or APP-TA | -127.5                       |
| CONVENTIONAL SYSTEMS: |                                       |                                                                                                                                                                                |                                                                                                                |                                                                                                   |                                |                                            |                  |                              |
| W-104                 | Min. 23/32-inch plywood, 24-inch span | Glasbase Base Sheet, All Weather/Empire Base Sheet, Flintlastic Base 20 or Flintglas MS Cap (inverted)                                                                         | Note 2                                                                                                         | 12-inch o.c. at 4-inch lap and 36-inch o.c. in two (2), equally spaced, staggered center rows     | None                           | BP-AA, SBS-AA, SBS-TA or APP-TA            | SBS-AA or APP-TA | -30.0*                       |
| W-105                 | Min. 23/32-inch plywood, 24-inch span | Glasbase Base Sheet, All Weather/Empire Base Sheet, Flintlastic Base 20 or Flintglas MS Cap (inverted)                                                                         | Note 2                                                                                                         | 12-inch o.c. at 4-inch lap and 24-inch o.c. in two (2), equally spaced, staggered center rows     | None                           | BP-AA, SBS-AA, SBS-TA or APP-TA            | SBS-AA or APP-TA | -45.0*                       |
| W-106                 | Min. 23/32-inch plywood, 24-inch span | Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet                                                                                                         | Note 2                                                                                                         | 12-inch o.c. at 4-inch lap and 36-inch o.c. in two (2), equally spaced, staggered center rows     | None                           | BP-AA, SBS-AA, SBS-TA or APP-TA            | SBS-AA or APP-TA | -45.0*                       |
| W-107                 | Min. 15/32-inch plywood, 24-inch span | Glasbase Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or Flintglas MS Cap (inverted)                                | OMG #14 HD with OMG 3 in. Round Metal Plate or Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate | 6-inch o.c. at 4-inch lap and 6-inch o.c. in three (3), equally spaced, staggered center rows     | None                           | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -97.5                        |
| W-108                 | Min. 15/32-inch plywood, 24-inch span | Flintlastic APP Base T                                                                                                                                                         | OMG #14 HD with OMG 3 in. Round Metal Plates                                                                   | 6-inch o.c. at 4-inch lap and 6-inch o.c. in three (3), equally spaced, staggered center rows.    | None                           | APP-TA                                     | APP-TA           | -97.5                        |
| W-109                 | Min. 15/32-inch plywood, 24-inch span | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or Flintglas MS Cap (inverted) | Trufast #14 HD with Trufast 3" Metal Insulation Plate                                                          | 8-inch o.c. at 4-inch lap and 8-inch o.c. at three (3) equally spaced, staggered center rows      | None                           | (Optional) BP-AA, SBS-AA or SBS-TA         | SBS-AA           | -97.5                        |



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

| System No.            | Deck<br>(Note 1)                      | Base Sheet                                                                                                                                                                     |                                                                                                                |                                                                                               | Primer | Roof Cover (Note 15)                       |                  | MDP (psf) |
|-----------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------|--------------------------------------------|------------------|-----------|
|                       |                                       | Base                                                                                                                                                                           | Fasten (Note 11)                                                                                               | Attach                                                                                        |        | Base Ply                                   | Cap Ply          |           |
| W-110                 | Min. 19/32-inch plywood, 24-inch span | Glasbase Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or Flintglas MS Cap (Inverted)                                | Note 2                                                                                                         | 7-inch o.c. at 3-inch lap and 7-inch o.c. in three (3), equally spaced, staggered center rows | None   | BP-AA, SBS-AA, SBS-TA or APP-TA            | SBS-AA or APP-TA | -105.0    |
| W-111                 | Min. 19/32-inch plywood, 24-inch span | Flintlastic APP Base T                                                                                                                                                         | DeKast DF-#14-PH3 with PLT-H-2-7/8 or OMG #14 HD with OMG 3 in. Round Metal Plate                              | 7-inch o.c. at 3-inch lap and 7-inch o.c. in three (3), equally spaced, staggered center rows | None   | APP-TA                                     | APP-TA           | -105.0    |
| W-112                 | Min. 15/32-inch plywood, 24-inch span | Glasbase Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or Flintglas MS Cap (Inverted)                                | OMG #14 HD with OMG 3 in. Round Metal Plate or Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate | 6-inch o.c. at 4-inch lap and 6-inch o.c. in four (4), equally spaced, staggered center rows  | None   | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -127.5    |
| W-113                 | Min. 15/32-inch plywood, 24-inch span | Flintlastic APP Base T                                                                                                                                                         | OMG #14 HD with OMG 3 in. Round Metal Plates                                                                   | 6-inch o.c. at 4-inch lap and 6-inch o.c. in four (4), equally spaced, staggered center rows. | None   | APP-TA                                     | APP-TA           | -127.5    |
| COLD-APPLIED SYSTEMS: |                                       |                                                                                                                                                                                |                                                                                                                |                                                                                               |        |                                            |                  |           |
| W-114                 | Min. 15/32-inch plywood, 24-inch span | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or Flintglas MS Cap (Inverted) | Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plate                                                | 8-inch o.c. at 4-inch lap and 8-inch o.c. in three (3), equally spaced, staggered center rows | None   | (Optional) SBS-CA1                         | SBS-CA1          | -52.5     |

TABLE 1H: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER

| System No. | Deck<br>(Note 1)                                                             | Primer                   | Roof Cover (Note 15)                  |                           | MDP (psf)      |
|------------|------------------------------------------------------------------------------|--------------------------|---------------------------------------|---------------------------|----------------|
|            |                                                                              |                          | Base Ply                              | Ply                       |                |
| W-115      | APA rated, min. 7/16 CAT, 0.418 in., Exposure 1, OSB sheathing, 24-inch span | FlintPrime QD            | Flintlastic SA Mid Ply, self-adhering | (Optional) SBS-SA         | SBS-SA         |
| W-116      | Min. 15/32-inch plywood, 24-inch span                                        | (Optional) FlintPrime QD | SBS-SA-H                              | (Optional) SBS-TA, APP-TA | SBS-TA, APP-TA |
| W-117      | Min. 15/32-inch plywood, 24-inch span                                        | (Optional) FlintPrime QD | SBS-SA                                | (Optional) SBS-SA         | SBS-SA         |





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

| System No.             | Deck<br><a href="#">[Note 1]</a>                                          | Base Insulation Layer                        |                                                               |                | Top Insulation Layer                                                                                                     |                                                                 |                            | Roof Cover <a href="#">[Note 15]</a>       |                  |        | MDP<br><a href="#">[psf]</a> |
|------------------------|---------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------|--------------------------------------------|------------------|--------|------------------------------|
|                        |                                                                           | Type                                         | Fasten <a href="#">[Note 11]</a>                              | Attach         | Type                                                                                                                     | Attach<br><a href="#">[Notes 6,7,8]</a>                         | Base Ply                   | Ply                                        | Cap Ply          |        |                              |
| SELF-ADHERING SYSTEMS: |                                                                           |                                              |                                                               |                |                                                                                                                          |                                                                 |                            |                                            |                  |        |                              |
| S-1                    | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch ACFoam II, ENRGY 3 or H-Shield   | Note 2                                                        | 1 per 4.0 ft²  | Optional min. 1.5-inch additional layer(s) base insulation, followed by min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | hot asphalt, M-OSFA, Insta Stik, OB500, Polyset BM, Polyset CRA | SBS-SA                     | (Optional) SBS-SA                          | SBS-SA           | -37.5* |                              |
| S-2                    | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield | Note 2                                                        | 1 per 2.0 ft²  | Optional min. 1.5-inch additional layer(s) base insulation, followed by min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | hot asphalt, M-OSFA, Insta Stik, OB500, Polyset BM, Polyset CRA | SBS-SA                     | (Optional) SBS-SA                          | SBS-SA           | -45.0* |                              |
| S-3                    | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | Min. 2-inch ACFoam II or H-Shield            | Note 2                                                        | 1 per 2.7 ft²  | Min. 2-inch H-Shield HD Composite CG                                                                                     | M-OSFA or M-PGI                                                 | SBS-SA                     | (Optional) SBS-SA                          | SBS-SA           | -45.0  |                              |
| S-4                    | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | Min. 2-inch ACFoam II or H-Shield            | Dekfast DF-#12-PH3 or Dekfast DF-#14-PH3 with Dekfast PLT-R-3 | 1 per 2.0 ft²  | Min. 2-inch H-Shield HD Composite CG                                                                                     | M-OSFA or M-PGI                                                 | SBS-SA                     | (Optional) SBS-SA                          | SBS-SA           | -52.5  |                              |
| S-5                    | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 2-inch ACFoam II or H-Shield            | Dekfast DF-#12-PH3 or Dekfast DF-#14-PH3 with Dekfast PLT-R-3 | 1 per 1.6 ft²  | Min. 2.5-inch H-Shield HD Composite CG                                                                                   | M-OSFA or M-PGI, 6-inch o.c.                                    | SBS-SA                     | (Optional) SBS-SA                          | SBS-SA           | -82.5  |                              |
| HYBRID SYSTEMS:        |                                                                           |                                              |                                                               |                |                                                                                                                          |                                                                 |                            |                                            |                  |        |                              |
| S-6                    | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield | Note 2                                                        | 1 per 1.45 ft² | Additional layer(s) base insulation                                                                                      | hot asphalt, M-OSFA, Insta Stik, OB500, Polyset BM, Polyset CRA | Flintlastic Ultra Glass SA | (Optional) SBS-AA, SBS-TA, APP-TA          | SBS-AA, APP-TA   | -37.5  |                              |
| S-7                    | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | Min. 2-inch ACFoam II or H-Shield            | Note 2                                                        | 1 per 2.7 ft²  | Min. 2-inch H-Shield HD Composite CG                                                                                     | M-OSFA or M-PGI                                                 | SBS-SA-H                   | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -45.0  |                              |
| S-8                    | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield | Note 2                                                        | 1 per 1.45 ft² | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                                                                         | hot asphalt, M-OSFA, Insta Stik, OB500, Polyset BM, Polyset CRA | Flintlastic Ultra Glass SA | (Optional) SBS-AA, SBS-TA, APP-TA          | SBS-AA, APP-TA   | -52.5  |                              |
| S-9                    | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | Min. 2-inch ACFoam II or H-Shield            | Dekfast DF-#12-PH3 or Dekfast DF-#14-PH3 with Dekfast PLT-R-3 | 1 per 2.0 ft²  | Min. 2-inch H-Shield HD Composite CG                                                                                     | M-OSFA or M-PGI                                                 | SBS-SA-H                   | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -52.5  |                              |



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

| System No.            | Deck<br><a href="#">[Note 1]</a>                                          | Base Insulation Layer                        |                                                                              |                | Top Insulation Layer                                                                                                                                                               |                                                                 |                                 | Roof Cover <a href="#">[Note 15]</a>       |                  | MDP<br><a href="#">[psf]</a> |
|-----------------------|---------------------------------------------------------------------------|----------------------------------------------|------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------|--------------------------------------------|------------------|------------------------------|
|                       |                                                                           | Type                                         | Fasten <a href="#">[Note 11]</a>                                             | Attach         | Type                                                                                                                                                                               | Attach<br><a href="#">[Notes 6,7,8]</a>                         | Base Ply                        | Ply                                        | Cap Ply          |                              |
| S-10                  | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch ACFoam II or H-Shield          | Trufast #12 DP or #14 HD with Trufast 3" Metal Insulation Plates             | 1 per 1.45 ft² | Min. 1.5-inch ACFoam II or H-Shield                                                                                                                                                | hot asphalt, M-OSFA, M-PGL, Insta Stik, OB500                   | SBS-SA-H                        | (Optional) APP-TA                          | APP-TA           | -67.5                        |
| S-11                  | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | Min. 1.5-inch ACFoam II or H-Shield          | Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.6 ft²  | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board                                                                                                                                    | M-OSFA, M-PGL, Insta Stik, OB500                                | SBS-SA-H                        | (Optional) SBS-TA or APP-TA                | APP-TA           | -75.0                        |
| S-12                  | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 2-inch ACFoam II or H-Shield            | Dekfast DF-#12-PH3 or Dekfast DF-#14-PH3 with Dekfast PLT-R-3                | 1 per 1.6 ft²  | Min. 2.5-inch H-Shield HD Composite CG                                                                                                                                             | M-OSFA or M-PGL, 6-inch o.c.                                    | SBS-SA-H                        | (Optional) SBS-TA or APP-TA                | APP-TA           | -82.5                        |
| S-13                  | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch ENRGY 3                        | Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.0 ft²  | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board                                                                                                                                     | OB500, 4-inch o.c.                                              | SBS-SA-H                        | (Optional) SBS-TA or APP-TA                | APP-TA           | -90.0*                       |
| CONVENTIONAL SYSTEMS: |                                                                           |                                              |                                                                              |                |                                                                                                                                                                                    |                                                                 |                                 |                                            |                  |                              |
| S-14                  | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch ACFoam II, ENRGY 3 or H-Shield   | Note 2                                                                       | 1 per 4.0 ft²  | Optional min. 1.5-inch additional layer(s) base insulation, followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board                                                            | hot asphalt, M-OSFA, Insta Stik, OB500, Polyset BM, Polyset CRA | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -37.5*                       |
| S-15                  | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield | Note 2                                                                       | 1 per 2.0 ft²  | Optional min. 1.5-inch additional layer(s) base insulation, followed by min. 0.5-inch Structodek High Density Fiberboard Roof Insulation, min. 0.75-inch FescoBoard (homogeneous). | hot asphalt                                                     | BP-AA or SBS-AA                 | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -45.0*                       |
| S-16                  | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield | Note 2                                                                       | 1 per 2.0 ft²  | Optional min. 1.5-inch additional layer(s) base insulation, followed by min. 0.25-inch DensDeck or DensDeck Prime                                                                  | hot asphalt                                                     | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -45.0*                       |
| S-17                  | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield | Note 2                                                                       | 1 per 2.0 ft²  | Optional min. 1.5-inch additional layer(s) base insulation, followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board                                                            | hot asphalt, M-OSFA, Insta Stik, OB500, Polyset BM, Polyset CRA | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -45.0*                       |



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

| System No.            | Deck<br><a href="#">[Note 1]</a>                                          | Base Insulation Layer                             |                                                                              |               | Top Insulation Layer                                                                                                                                                               |                                                                 |                                 | Roof Cover <a href="#">[Note 15]</a>       |                  |        | MDP<br><a href="#">[psf]</a> |
|-----------------------|---------------------------------------------------------------------------|---------------------------------------------------|------------------------------------------------------------------------------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------|--------------------------------------------|------------------|--------|------------------------------|
|                       |                                                                           | Type                                              | Fasten <a href="#">[Note 11]</a>                                             | Attach        | Type                                                                                                                                                                               | Attach<br><a href="#">[Notes 6,7,8]</a>                         | Base Ply                        | Ply                                        | Cap Ply          |        |                              |
| S-18                  | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch ACfoam II, ENRGY 3 or H-Shield        | Note 2                                                                       | 1 per 3.2 ft² | Optional min. 1.5-inch additional layer(s) base insulation, followed by min. 0.5-inch Structodek High Density Fiberboard Roof Insulation, min. 0.75-inch Fescoboard (homogeneous). | hot asphalt                                                     | BP-AA or SBS-AA                 | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -45.0* |                              |
| S-19                  | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch ACfoam II, ENRGY 3 or H-Shield        | Note 2                                                                       | 1 per 3.2 ft² | Optional min. 1.5-inch additional layer(s) base insulation, followed by min. 0.25-inch DensDeck or DensDeck Prime                                                                  | hot asphalt                                                     | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -45.0* |                              |
| S-20                  | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch ACfoam II, ENRGY 3 or Multi-Max FA3 | Note 2                                                                       | 1 per 1.3 ft² | Min. 0.75-inch Fescoboard (homogeneous)                                                                                                                                            | hot asphalt                                                     | BP-AA or SBS-AA                 | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -52.5  |                              |
| S-21                  | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch ACfoam II, ENRGY 3 or H-Shield        | Note 2                                                                       | 1 per 1.6 ft² | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                                                                                                                                   | hot asphalt, M-OSFA, Insta Stik, OB500, Polyset BM, Polyset CRA | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -60.0  |                              |
| S-22                  | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch ACfoam II, ENRGY 3 or Multi-Max FA3 | Note 2                                                                       | 1 per 1.3 ft² | Min. 0.5-inch Structodek High Density Fiberboard                                                                                                                                   | hot asphalt                                                     | BP-AA or SBS-AA                 | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -67.5  |                              |
| S-23                  | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | Min. 1.5-inch ACfoam II or H-Shield               | Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.6 ft² | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                                                                                                                                   | M-OSFA, M-PGL, Insta Stik, OB500                                | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -75.0  |                              |
| S-24                  | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch ENRGY 3                             | Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.0 ft² | Min. 0.5-inch SECURROCK Gypsum-Fiber Roof Board                                                                                                                                    | OB500, 4-inch o.c.                                              | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -90.0* |                              |
| COLD-APPLIED SYSTEMS: |                                                                           |                                                   |                                                                              |               |                                                                                                                                                                                    |                                                                 |                                 |                                            |                  |        |                              |
| S-25                  | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch ACfoam II or H-Shield                 | Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate | 1 per 2.0 ft² | Min. 1.5-inch ACfoam III or H-Shield CG                                                                                                                                            | OB500 or Polyset CRA                                            | SBS-CA1                         | None                                       | SBS-CA1          | -45.0* |                              |



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

| System No. | Deck<br><br><u>[Note 1]</u>                                               | Base Insulation Layer               |                                                                              |               | Top Insulation Layer                                                                                                     |                                                               |          | Roof Cover <u>[Note 15]</u> |         |        | MDP<br><br><u>[psf]</u> |
|------------|---------------------------------------------------------------------------|-------------------------------------|------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|----------|-----------------------------|---------|--------|-------------------------|
|            |                                                                           | Type                                | Fasten <u>[Note 11]</u>                                                      | Attach        | Type                                                                                                                     | Attach<br><br><u>[Notes 6,7,8]</u>                            | Base Ply | Ply                         | Cap Ply |        |                         |
| S-26       | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch ACFoam II or H-Shield   | Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate | 1 per 2.0 ft² | Optional min. 1.5-inch additional layer(s) base insulation, followed by min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | Insta Stik, M-OSFA, M-PG1, OB500, Polysset BM or Polysset CRA | SBS-CA1  | None                        | SBS-CA1 | -45.0* |                         |
| S-27       | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch ACFoam II or H-Shield   | Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate | 1 per 2.0 ft² | Optional min. 1.5-inch additional layer(s) base insulation, followed by min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | Insta Stik, M-OSFA, M-PG1, OB500, Polysset BM or Polysset CRA | SBS-CA4  | None                        | SBS-CA4 | -45.0* |                         |
| S-28       | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | Min. 2-inch ACFoam II or H-Shield   | Note 2                                                                       | 1 per 2.7 ft² | Min. 2-inch H-Shield HD Composite CG                                                                                     | M-OSFA or M-PG1                                               | SBS-CA4  | None                        | SBS-CA4 | -45.0  |                         |
| S-29       | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | Min. 1.5-inch ACFoam II or H-Shield | Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.6 ft² | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                                                                         | M-OSFA, M-PG1, Insta Stik, OB500                              | SBS-CA1  | None                        | SBS-CA1 | -75.0  |                         |
| S-30       | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch ENRGV 3               | Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.0 ft² | Min. 0.5-inch SECURROCK Gypsum-Fiber Roof Board                                                                          | OB500, 4-inch o.c.                                            | SBS-CA1  | None                        | SBS-CA1 | -90.0* |                         |



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

| System No.             | Deck<br>(Note 1)                                                          | Base Insulation Layer(s)<br>(Note 3, Note 13)              | Top Insulation Layer                             |                                                                                                       | Primer        | Roof Cover (Note 15) |          | MDP<br>(psf)                               |                  |         |
|------------------------|---------------------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------|----------------------|----------|--------------------------------------------|------------------|---------|
|                        |                                                                           |                                                            | Type                                             | Fasten (Note 11)                                                                                      |               | Attach               | Base Ply |                                            | Ply              | Cap Ply |
| SELF-ADHERING SYSTEMS: |                                                                           |                                                            |                                                  |                                                                                                       |               |                      |          |                                            |                  |         |
| S-31                   | 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. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | Note 2                                                                                                | 1 per 3.2 ft² | None                 | SBS-SA   | (Optional) SBS-SA                          | SBS-SA           | -30.0*  |
| S-32                   | 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. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate                          | 1 per 2.7 ft² | None                 | SBS-SA   | (Optional) SBS-SA                          | SBS-SA           | -37.5*  |
| S-33                   | 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. 3/8-inch SECURROCK Gypsum-Fiber Roof Board  | Note 2                                                                                                | 1 per 2.7 ft² | None                 | SBS-SA   | (Optional) SBS-SA                          | SBS-SA           | -45.0*  |
| S-34                   | 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. 0.25-inch DensDeck                          | Note 2                                                                                                | 1 per 1.3 ft² | FlintPrime QD        | SBS-SA   | (Optional) SBS-SA                          | SBS-SA           | -45.0   |
| S-35                   | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch ACFoam II                          | Trufast #14 HD with Trufast 3" Metal Insulation Plate                                                 | 1 per 1.8 ft² | FlintPrime QD        | SBS-SA   | (Optional) SBS-SA                          | SBS-SA           | -67.5   |
| S-36                   | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch SECURROCK Gypsum-Fiber Roof Board  | Trufast #14 HD with Trufast 3" Metal Insulation Plate                                                 | 1 per 1.6 ft² | FlintPrime QD        | SBS-SA   | (Optional) SBS-SA                          | SBS-SA           | -82.5   |
| S-37                   | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch ACFoam II or H-Shield              | Trufast #15 EHD (steel only) or Trufast #14 HD (concrete only) with Trufast 3" Metal Insulation Plate | 1 per 1.0 ft² | FlintPrime QD        | SBS-SA   | (Optional) SBS-SA                          | SBS-SA           | -97.5   |
| HYBRID SYSTEMS:        |                                                                           |                                                            |                                                  |                                                                                                       |               |                      |          |                                            |                  |         |
| S-38                   | 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. 0.25-inch DensDeck, DensDeck Prime          | Note 2                                                                                                | 1 per 2.0 ft² | None                 | SBS-SA-H | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -30.0*  |
| S-39                   | 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. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate                          | 1 per 2.7 ft² | None                 | SBS-SA-H | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -37.5*  |
| S-40                   | 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. 3/8-inch SECURROCK Gypsum-Fiber Roof Board  | Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate                          | 1 per 2.7 ft² | None                 | SBS-SA-H | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -45.0*  |
| S-41                   | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch ACFoam II                          | Trufast #14 HD with Trufast 3" Metal Insulation Plate                                                 | 1 per 1.8 ft² | None                 | SBS-SA-H | (Optional) SBS-TA or APP-TA                | APP-TA           | -67.5   |



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

| System No.            | Deck<br>(Note 1)                                                          | Base Insulation Layer(s)<br>(Note 3, Note 13)              | Top Insulation Layer                                             |                                                                                                       |                            | Primer | Roof Cover (Note 15)            |                                            |                  | MDP<br>(psf) |
|-----------------------|---------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------|--------|---------------------------------|--------------------------------------------|------------------|--------------|
|                       |                                                                           |                                                            | Type                                                             | Fasten (Note 11)                                                                                      | Attach                     |        | Base Ply                        | Ply                                        | Cap Ply          |              |
| S-42                  | 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 AC Foam II or H-Shield                             | Trufast #12 DP (steel only) or Trufast #14 HD with Trufast 3" Metal Insulation Plate                  | 1 per 1.45 ft <sup>2</sup> | None   | SBS-SA-H                        | (Optional) SBS-AA, SBS-TA or APP-TA        | SBS-AA or APP-TA | -75.0        |
| S-43                  | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch SECURROCK Gypsum-Fiber Roof Board                  | Trufast #14 HD with Trufast 3" Metal Insulation Plate                                                 | 1 per 1.6 ft <sup>2</sup>  | None   | SBS-SA-H                        | (Optional) SBS-TA or APP-TA                | APP-TA           | -82.5        |
| S-44                  | 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. 0.5-inch SECURROCK Gypsum-Fiber Roof Board                  | Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate                          | 1 per 1.45 ft <sup>2</sup> | None   | SBS-SA-H                        | (Optional) SBS-TA or APP-TA                | APP-TA           | -82.5        |
| S-45                  | 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 AC Foam II, ENRGY 3 or Multi-Max FA3               | Note 2                                                                                                | 1 per 1.3 ft <sup>2</sup>  | None   | SBS-SA-H                        | (Optional) SBS-AA, SBS-TA or APP-TA        | SBS-AA or APP-TA | -82.5        |
| S-46                  | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch AC Foam II or H-Shield                             | Trufast #15 EHD (steel only) or Trufast #14 HD (concrete only) with Trufast 3" Metal Insulation Plate | 1 per 1.0 ft <sup>2</sup>  | None   | SBS-SA-H                        | (Optional) SBS-AA, SBS-TA or APP-TA        | SBS-AA or APP-TA | -97.5        |
| S-47                  | 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. 0.5-inch SECURROCK Gypsum-Fiber Roof Board                  | Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate                          | 1 per 1.0 ft <sup>2</sup>  | None   | SBS-SA-H                        | (Optional) SBS-TA or APP-TA                | APP-TA           | -135.0       |
| CONVENTIONAL SYSTEMS: |                                                                           |                                                            |                                                                  |                                                                                                       |                            |        |                                 |                                            |                  |              |
| S-48                  | 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. 0.75-inch Fesoboard (homogeneous)                           | Note 2                                                                                                | 1 per 2.7 ft <sup>2</sup>  | None   | BP-AA, SBS-AA                   | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -30.0*       |
| S-49                  | 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. 0.5-inch Structodek High Density Fiberboard Roof Insulation | Note 2                                                                                                | 1 per 4.0 ft <sup>2</sup>  | None   | BP-AA, SBS-AA                   | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -37.5*       |
| S-50                  | 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. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                 | Note 2                                                                                                | 1 per 4.0 ft <sup>2</sup>  | None   | BP-AA, SBS-AA                   | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -37.5*       |
| S-51                  | 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. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                 | Note 2                                                                                                | 1 per 4.0 ft <sup>2</sup>  | None   | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -45.0*       |



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TABLE 2B: 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 <a href="#">[Note 1]</a>                                             | Base Insulation Layer(s) <a href="#">[Note 3, Note 13]</a>     | Top Insulation Layer                                                                                      |                                                                                      |                            | Primer | Roof Cover <a href="#">[Note 15]</a> |                                            |                  | MDP <a href="#">[Note 1]</a> |
|------------|---------------------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------|--------|--------------------------------------|--------------------------------------------|------------------|------------------------------|
|            |                                                                           |                                                                | Type                                                                                                      | Fasten <a href="#">[Note 11]</a>                                                     | Attach                     |        | Base Ply                             | Ply                                        | Cap Ply          |                              |
| S-52       | 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. 0.5-inch Structodek High Density Fiberboard Roof Insulation, min. 0.75-inch Fescoboard (homogeneous) | Note 2                                                                               | 1 per 2.0 ft <sup>2</sup>  | None   | BP-AA, or SBS-AA                     | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -45.0*                       |
| S-53       | 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. 0.25-inch DensDeck or DensDeck Prime                                                                 | Note 2                                                                               | 1 per 2.0 ft <sup>2</sup>  | None   | BP-AA, SBS-AA, SBS-TA or APP-TA      | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -45.0*                       |
| S-54       | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, One or more layers, any combination, loose laid | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                                                          | Trufast #12 DP (steel only) or Trufast #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.45 ft <sup>2</sup> | None   | APP-TA                               | (Optional) APP-TA                          | APP-TA           | -60.0                        |
| S-55       | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 2-inch ACFoam II, ENRGY 3 or H-Shield, loose laid.        | Min. 0.5-inch SECURROCK Gypsum-Fiber Roof Board                                                           | Note 2                                                                               | 1 per 1.8 ft <sup>2</sup>  | None   | BP-AA, SBS-AA, SBS-TA or APP-TA      | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -60.0                        |
| S-56       | 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. 0.5-inch SECURROCK Gypsum-Fiber Roof Board                                                           | Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate         | 1 per 1.45 ft <sup>2</sup> | None   | BP-AA, SBS-AA, SBS-TA or APP-TA      | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -82.5                        |
| S-57       | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch ACFoam II or H-Shield                            | Min. 0.5-inch DensDeck Prime                                                                              | Trufast #14 HD with Trufast 3" Metal Insulation Plate                                | 1 per 1.3 ft <sup>2</sup>  | None   | BP-AA, SBS-AA                        | (Optional) BP-AA, SBS-AA                   | SBS-AA           | -112.5                       |
| S-58       | 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. 0.5-inch SECURROCK Gypsum-Fiber Roof Board                                                           | Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate         | 1 per 1.0 ft <sup>2</sup>  | None   | BP-AA, SBS-AA, SBS-TA or APP-TA      | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -135.0                       |
| S-59       | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch ACFoam II or H-Shield                            | Min. 0.5-inch SECURROCK Gypsum-Fiber Roof Board                                                           | Trufast #14 HD with Trufast 3" Metal Insulation Plate                                | 1 per 1.3 ft <sup>2</sup>  | None   | BP-AA, SBS-AA                        | (Optional) BP-AA, SBS-AA                   | SBS-AA           | -157.5                       |
| S-60       | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch ACFoam II or H-Shield                            | Min. 0.5-inch DensDeck Prime                                                                              | Trufast #14 HD with Trufast 3" Metal Insulation Plate                                | 1 per 1.0 ft <sup>2</sup>  | None   | BP-AA, SBS-AA                        | (Optional) BP-AA, SBS-AA                   | SBS-AA           | -157.5                       |



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

| System No.                     | Deck<br>(Note 1)                                                          | Base Insulation Layer(s)<br>(Note 3, Note 13)              | Top Insulation Layer                                                         |                                                                              | Attach         | Primer | Roof Cover (Note 15) |                                            |                  | MDP<br>(psf) |
|--------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|--------|----------------------|--------------------------------------------|------------------|--------------|
|                                |                                                                           |                                                            | Type                                                                         | Fasten (Note 11)                                                             |                |        | Base Ply             | Ply                                        | Cap Ply          |              |
| S-61                           | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch ACFoam II or H-Shield                        | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board                               | Trufast #14 HD with Trufast 3" Metal Insulation Plate                        | 1 per 1.0 ft²  | None   | BP-AA, SBS-AA        | (Optional) BP-AA, SBS-AA                   | SBS-AA           | -172.5       |
| SPOT- OR STRIP-MAPPED SYSTEMS: |                                                                           |                                                            |                                                                              |                                                                              |                |        |                      |                                            |                  |              |
| S-62                           | 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 ACFoam II or ENRGV 3                                             | Note 2                                                                       | 1 per 1.6 ft²  | None   | BP-AA2               | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -37.5*       |
| S-63                           | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 1-inch Fescoboard (homogeneous) or min. 1.5-inch Fescoboard (laminated) | Note 2                                                                       | 1 per 1.6 ft²  | None   | BP-AA2               | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -45.0*       |
| S-64                           | 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. 0.5-inch Structodek HD with Primed Red Coating                          | Note 2                                                                       | 1 per 2.0 ft²  | None   | BP-AA2               | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -45.0*       |
| S-65                           | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch ACFoam II                                                      | Note 2                                                                       | 1 per 1.45 ft² | None   | BP-AA3, 24-inch grid | (Optional) BP-AA or SBS-AA                 | SBS-AA           | -52.5        |
| S-66                           | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch ACFoam II                                                      | Note 2                                                                       | 1 per 1.45 ft² | None   | BP-AA3, 24-inch grid | BP-AA or SBS-AA                            | SBS-TA           | -52.5        |
| COLD-APPLIED SYSTEMS:          |                                                                           |                                                            |                                                                              |                                                                              |                |        |                      |                                            |                  |              |
| S-67                           | 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. 0.25-inch SECUROCK Gypsum-Fiber Roof Board                              | Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate | 1 per 2.7 ft²  | None   | SBS-CA1              | None                                       | SBS-CA1          | -37.5*       |
| S-68                           | 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. 0.25-inch SECUROCK Gypsum-Fiber Roof Board                              | Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate | 1 per 2.7 ft²  | None   | SBS-CA4              | None                                       | SBS-CA4          | -37.5*       |
| S-69                           | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | (Optional) One or more layers, any combination, loose laid | Min. 1.5-inch ACFoam III or H-Shield CG                                      | Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate | 1 per 2.0 ft²  | None   | SBS-CA1              | None                                       | SBS-CA1          | -45.0*       |
| S-70                           | 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. 3/8-inch SECUROCK Gypsum-Fiber Roof Board                               | Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate | 1 per 2.7 ft²  | None   | SBS-CA1              | None                                       | SBS-CA1          | -45.0*       |
| S-71                           | 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. 3/8-inch SECUROCK Gypsum-Fiber Roof Board                               | Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate | 1 per 2.7 ft²  | None   | SBS-CA4              | None                                       | SBS-CA4          | -45.0*       |



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

| System No. | Deck<br>(Note 1)                                                          | Base Insulation Layer(s)<br>(Note 3, Note 13)              | Top Insulation Layer                           |                                                                              | Primer                     | Roof Cover (Note 15) |                 | MDP (psf)         |
|------------|---------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------|------------------------------------------------------------------------------|----------------------------|----------------------|-----------------|-------------------|
|            |                                                                           |                                                            | Type                                           | Fasten (Note 11)                                                             |                            | Base Ply             | Ply             |                   |
| S-72       | 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. 0.5-inch SECURUCK Gypsum-Fiber Roof Board | Trufast #12 DP (steel only) or #14 HD with Trufast 3" Metal Insulation Plate | 1 per 1.45 ft <sup>2</sup> | None                 | SBS-CA1<br>None | SBS-CA1<br>-82.5* |

TABLE 2c: 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<br>(Note 1)                                                          | Insulation Layer(s)<br>(Note 3, Note 13)           |                  | Base Sheet                                             |                  |                                                                                                                                  | Roof Cover (Note 15) |         | MDP<br>(psf) |
|------------------------|---------------------------------------------------------------------------|----------------------------------------------------|------------------|--------------------------------------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------|---------|--------------|
|                        |                                                                           | Type                                               | Attach           | Type                                                   | Fasten (Note 11) | Attach                                                                                                                           | Base Ply             | Cap Ply |              |
| SELF-ADHERING SYSTEMS: |                                                                           |                                                    |                  |                                                        |                  |                                                                                                                                  |                      |         |              |
| S-73                   | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch. One or more layers, any combination | Prelim. Attached | Flintlastic SA Nailbase                                | Note 2           | 9-inch o.c. at min. 2-inch lap and 18-inch o.c. in two (2), equally spaced, staggered center rows                                | (Optional) SBS-SA    | SBS-SA  | -45.0*       |
| S-74                   | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch. One or more layers, any combination | Prelim. Attached | Flintlastic SA Nailbase                                | Note 2           | 12-inch o.c. at min. 2-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows                               | (Optional) SBS-SA    | SBS-SA  | -52.5*       |
| S-75                   | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch. One or more layers, any combination | Prelim. Attached | Flintlastic SA Nailbase                                | Note 2           | 12-inch o.c. at min. 4-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows                               | (Optional) SBS-SA    | SBS-SA  | -60.0*       |
| S-76                   | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch. One or more layers, any combination | Prelim. Attached | Flintlastic SA Nailbase (laid parallel to deck flutes) | Note 2           | 8-inch o.c. at min. 4-inch lap and 8-inch o.c. in two (2), equally spaced, staggered center rows, FlintPrime QD at stress plates | (Optional) SBS-SA    | SBS-SA  | -82.5*       |

CONVENTIONAL SYSTEMS:

|      |                                                                           |                                                    |                  |                                                                                                        |        |                                                                                               |                                 |                            |
|------|---------------------------------------------------------------------------|----------------------------------------------------|------------------|--------------------------------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------------------|---------------------------------|----------------------------|
| S-77 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, One or more layers, any combination | Prelim. Attached | Glasbase Base Sheet, All Weather/Empire Base Sheet, Flintlastic Base 20 or Flintglas MS Cap (inverted) | Note 2 | 12-inch o.c. at 4-inch lap and 36-inch o.c. in two (2), equally spaced, staggered center rows | BP-AA, SBS-AA, SBS-TA or App-TA | SBS-AA or App-TA<br>-30.0* |
| S-78 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, One or more layers, any combination | Prelim. Attached | Glasbase Base Sheet, All Weather/Empire Base Sheet, Flintlastic Base 20 or Flintglas MS Cap (inverted) | Note 2 | 12-inch o.c. at 4-inch lap and 24-inch o.c. in two (2), equally spaced, staggered center rows | BP-AA, SBS-AA, SBS-TA or App-TA | SBS-AA or App-TA<br>-45.0* |
| S-79 | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, One or more layers, any combination | Prelim. Attached | Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet                                 | Note 2 | 12-inch o.c. at 4-inch lap and 36-inch o.c. in two (2), equally spaced, staggered center rows | BP-AA, SBS-AA, SBS-TA or App-TA | SBS-AA or App-TA<br>-45.0* |



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TABLE 2C: 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<br>(Note 1)                                                          | Insulation Layer(s)<br>(Note 3, Note 13)           |                  | Base Sheet                                                                                                                             |                                                                                                          |                                                                                               | Roof Cover (Note 15)            |                  | MDP<br>(psf) |
|------------|---------------------------------------------------------------------------|----------------------------------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------|------------------|--------------|
|            |                                                                           | Type                                               | Attach           | Type                                                                                                                                   | Fasten (Note 11)                                                                                         | Attach                                                                                        | Base Ply                        | Cap Ply          |              |
| S-80       | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, One or more layers, any combination | Prelim. Attached | Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet                                                                 | Note 2                                                                                                   | 18-inch o.c. at 4-inch lap and 18-inch o.c. in one (1) staggered center row                   | BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -45.0*       |
| S-81       | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, One or more layers, any combination | Prelim. Attached | Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet                                                                 | Deckfast DF #14-PH3 with PLT-R-2-4B                                                                      | 12-inch o.c. within the min. 4-inch wide, heat-welded side lap                                | SBS-AA, SBS-TA or APP-TA        | SBS-AA or APP-TA | -45.0*       |
| S-82       | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, One or more layers, any combination | Prelim. Attached | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet, Flintlastic Poly SMS Base Sheet or Flinglas MS Cap (Inverted) | Note 2                                                                                                   | 12-inch o.c. at 3-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows | BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -52.5        |
| S-83       | Min. 22 ga., type B, 40 ksi steel or min. 2,500 psi structural concrete   | Min. 2-inch, One or more layers, any combination   | Prelim. Attached | Flintlastic Ultra Poly SMS Base Sheet                                                                                                  | Trufast #15 EHD (steel only) or Trufast #14 HD (concrete only) with Trufast 2" Barbed Metal Seam Plate   | 12-inch o.c. within the min. 4-inch wide, heat-welded side lap                                | (Optional) SBS-TA or APP-TA     | APP-TA           | -52.5        |
| S-84       | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, One or more layers, any combination | Prelim. Attached | Flintlastic Ultra Poly SMS Base Sheet                                                                                                  | Trufast #15 EHD (steel only) or Trufast #14 HD (concrete only) with Trufast 2.4" Barbed Metal Seam Plate | 12-inch o.c. within the min. 4-inch wide, heat-welded side lap                                | (Optional) SBS-TA or APP-TA     | APP-TA           | -60.0        |
| S-85       | Min. 22 ga., type B, 40 ksi steel or min. 2,500 psi structural concrete   | Min. 2-inch, One or more layers, any combination   | Prelim. Attached | Flintlastic Ultra Poly SMS Base Sheet                                                                                                  | Trufast #15 EHD (steel only) or Trufast #14 HD (concrete only) with Trufast 2.4" Scoop Seam Plate        | 12-inch o.c. within the min. 4-inch wide, heat-welded side lap                                | (Optional) SBS-TA or APP-TA     | APP-TA           | -67.5        |
| S-86       | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, One or more layers, any combination | Prelim. Attached | Glasbase Base Sheet or Flinglas MS Cap (Inverted)                                                                                      | OMG #14 HD with OMG Flat Bottom Plates (AccuTrac)                                                        | 6-inch o.c. at 4-inch lap and 6-inch o.c. in two (2), equally spaced, staggered center rows   | BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -67.5        |
| S-87       | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, One or more layers, any combination | Prelim. Attached | Flintlastic Base 20 or Flinglas MS Cap (Inverted)                                                                                      | Note 2                                                                                                   | 6-inch o.c. at 4-inch lap and 6-inch o.c. in two (2), equally spaced, staggered center rows   | BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -67.5        |



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TABLE 2C: 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<br>(Note 1)                                                          | Insulation Layer(s)<br>(Note 3, Note 13)           |                  | Base Sheet                                                                                                                                                                     |                                                                                                   |                                                                                                                                                                                                                                      | Roof Cover (Note 15)               |         | MDP [psf] |
|-----------------------|---------------------------------------------------------------------------|----------------------------------------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------|-----------|
|                       |                                                                           | Type                                               | Attach           | Type                                                                                                                                                                           | Fasten (Note 11)                                                                                  | Attach                                                                                                                                                                                                                               | Base Ply                           | Cap Ply |           |
| S-88                  | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, One or more layers, any combination | Prelim. Attach   | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet or Flintglas MS Cap (inverted) | Trufast #14 HD with Trufast 3" Metal Insulation Plate                                             | 6-inch o.c. at 4-inch lap and 6-inch o.c. at three (3) equally spaced, staggered center rows                                                                                                                                         | (Optional) BP-AA, SBS-AA or SBS-TA | SBS-AA  | -97.5     |
| S-89                  | Min. 22 ga., type B, 40 ksi steel or min. 2,500 psi structural concrete   | Min. 2-inch, One or more layers, any combination   | Prelim. Attached | Flintlastic Ultra Poly SMS Base Sheet                                                                                                                                          | Trufast #15 EHD (steel only) or Trufast #14 HD (concrete only) with Trufast 2.4" Scoop Seam Plate | 6-inch o.c. within the min. 4-inch wide, heat-welded side lap                                                                                                                                                                        | (Optional) SBS-TA or APP-TA        | APP-TA  | -112.5    |
| S-90                  | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, One or more layers, any combination | Prelim. Attached | Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet                                                                                                         | Note 2                                                                                            | 12-inch o.c. at 4-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows                                                                                                                                        | SBS-TA or APP-TA                   | APP-TA  | -112.5    |
| S-91                  | Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, One or more layers, any combination | Prelim. Attached | Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet                                                                                                         | Note 2                                                                                            | 12-inch o.c. at 4-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows                                                                                                                                        | SBS-AA                             | SBS-AA  | -120.0    |
| S-92                  | Min. 22 ga., type B, 40 ksi steel or min. 2,500 psi structural concrete   | Min. 2-inch, One or more layers, any combination   | Prelim. Attached | Flintlastic Ultra Poly SMS Base Sheet                                                                                                                                          | Trufast #15 EHD (steel only) or Trufast #14 HD (concrete only) with Trufast 2.4" Scoop Seam Plate | 6-inch o.c. within the min. 4-inch wide, heat-welded side laps and 6-inch o.c. in one (1) center row, stripped-in with 6-inch side strips of torch-applied Flintlastic Poly SMS Base Sheet or Flintlastic Ultra Poly SMS Base Sheet. | (Optional) SBS-TA or APP-TA        | APP-TA  | -165.0    |
| COLD-APPLIED SYSTEMS: |                                                                           |                                                    |                  |                                                                                                                                                                                |                                                                                                   |                                                                                                                                                                                                                                      |                                    |         |           |
| S-93                  | Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete | Min. 1.5-inch, One or more layers, any combination | Prelim. Attached | Glasbase Base Sheet, All Weather/Empire Base Sheet, Flintlastic Base 20                                                                                                        | Note 2                                                                                            | 6-inch o.c. at 4-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows                                                                                                                                         | SBS-CA1                            | SBS-CA1 | -45.0*    |
| S-94                  | Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete | Min. 1-inch, One or more layers, any combination   | Loose-laid       | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet, Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet                                | Trufast #14 HD with Trufast 3" Metal Insulation Plate                                             | 6-inch o.c. at 4-inch lap and 12-inch o.c. in three (3), equally spaced, staggered center rows                                                                                                                                       | (Optional) SBS-CA1                 | SBS-CA1 | -75.0     |



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

REFER TO SECTION 9.01 FOR VAPOR BARRIER OPTIONS

| Sys. No.               | Deck<br><a href="#">[Note 1]</a> | Primer                   | Base Insulation Layer                             |                                         | Top Insulation Layer                              |                                         | Primer        | Roof Cover <a href="#">[Note 15]</a> |                   |         | MDP<br><a href="#">[psf]</a> |
|------------------------|----------------------------------|--------------------------|---------------------------------------------------|-----------------------------------------|---------------------------------------------------|-----------------------------------------|---------------|--------------------------------------|-------------------|---------|------------------------------|
|                        |                                  |                          | Type                                              | Attach<br><a href="#">[Notes 6,7,8]</a> | Type                                              | Attach<br><a href="#">[Notes 6,7,8]</a> |               | Base Ply                             | Ply               | Cap Ply |                              |
| SELF-ADHERING SYSTEMS: |                                  |                          |                                                   |                                         |                                                   |                                         |               |                                      |                   |         |                              |
| C-1.                   | Structural concrete              | FlintPrime QD            | Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield      | hot asphalt                             | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board  | hot asphalt                             | None          | SBS-SA                               | (Optional) SBS-SA | SBS-SA  | -172.5                       |
| C-2.                   | Structural concrete              | FlintPrime QD            | Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3 | hot asphalt                             | Min. 0.25-inch DensDeck                           | hot asphalt                             | FlintPrime QD | SBS-SA                               | (Optional) SBS-SA | SBS-SA  | -192.5                       |
| C-3.                   | Structural concrete              | None                     | (Optional) Min. 1.5-inch ACFoam II or H-Shield    | M-OSFA or M-PG1                         | Min. 0.5-inch ACFoam-HD CoverBoard or H-Shield HD | M-OSFA or M-PG1                         | FlintPrime QD | SBS-SA                               | (Optional) SBS-SA | SBS-SA  | -97.5                        |
| C-4.                   | Structural concrete              | None                     | (Optional) Min. 1.5-inch ACFoam II or H-Shield    | M-OSFA or M-PG1                         | Min. 2-inch H-Shield HD Composite CG              | M-OSFA or M-PG1                         | None          | SBS-SA                               | (Optional) SBS-SA | SBS-SA  | -142.5                       |
| C-5.                   | Structural concrete              | None                     | Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield      | M-OSFA or M-PG1                         | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board  | M-OSFA or M-PG1                         | None          | SBS-SA                               | (Optional) SBS-SA | SBS-SA  | -172.5                       |
| C-6.                   | Structural concrete              | None                     | Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3 | M-OSFA or M-PG1                         | Min. 0.25-inch DensDeck                           | M-OSFA or M-PG1                         | FlintPrime QD | SBS-SA                               | (Optional) SBS-SA | SBS-SA  | -192.5                       |
| C-7.                   | Structural concrete              | None                     | (Optional) Min. 1.5-inch ACFoam II or H-Shield    | M-OSFA or M-PG1, 6-inch o.c.            | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board  | M-OSFA or M-PG1, 6-inch o.c.            | FlintPrime QD | SBS-SA                               | (Optional) SBS-SA | SBS-SA  | -315.0                       |
| C-8.                   | Structural concrete              | None                     | (Optional) Min. 1.5-inch ACFoam II or H-Shield    | M-OSFA or M-PG1, 6-inch o.c.            | Min. 0.5-inch ACFoam-HD CoverBoard or H-Shield HD | M-OSFA or M-PG1, 6-inch o.c.            | FlintPrime QD | SBS-SA                               | (Optional) SBS-SA | SBS-SA  | -315.0                       |
| C-9.                   | Structural concrete              | None                     | (Optional) Min. 1.5-inch ACFoam II or H-Shield    | M-OSFA or M-PG1, 6-inch o.c.            | Min. 2-inch H-Shield HD Composite CG              | M-OSFA or M-PG1, 6-inch o.c.            | None          | SBS-SA                               | (Optional) SBS-SA | SBS-SA  | -342.5                       |
| C-10.                  | Structural concrete              | None                     | (Optional) Min. 1.5-inch ACFoam II or H-Shield    | M-PG1-EF-ECO                            | Min. 0.5-inch H-Shield HD                         | M-PG1-EF-ECO                            | FlintPrime QD | SBS-SA                               | (Optional) SBS-SA | SBS-SA  | -97.5                        |
| C-11.                  | Structural concrete              | None                     | (Optional) Min. 1.5-inch ACFoam II or H-Shield    | M-PG1-EF-ECO                            | Min. 2-inch H-Shield HD Composite CG              | M-PG1-EF-ECO                            | None          | SBS-SA                               | (Optional) SBS-SA | SBS-SA  | -142.5                       |
| C-12.                  | Structural concrete              | None                     | Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield      | M-PG1-EF-ECO                            | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board  | M-PG1-EF-ECO                            | None          | SBS-SA                               | (Optional) SBS-SA | SBS-SA  | -172.5                       |
| C-13.                  | Structural concrete              | (Optional) FlintPrime QD | Min. 1.5-inch Multi-Max FA                        | Insta Stik                              | Min. 0.25-inch DensDeck                           | Insta Stik                              | FlintPrime QD | SBS-SA                               | (Optional) SBS-SA | SBS-SA  | -67.5                        |
| C-14.                  | Structural concrete              | (Optional) FlintPrime QD | Min. 1.5-inch ENRGV 3                             | Insta Stik                              | Min. 0.25-inch DensDeck                           | Insta Stik                              | FlintPrime QD | SBS-SA                               | (Optional) SBS-SA | SBS-SA  | -112.5                       |
| C-15.                  | Structural concrete              | (Optional) FlintPrime QD | Min. 1.5-inch ACFoam II                           | Insta Stik                              | Min. 0.25-inch DensDeck                           | Insta Stik                              | FlintPrime QD | SBS-SA                               | (Optional) SBS-SA | SBS-SA  | -120.0                       |



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TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER  
REFER TO SECTION 9.1 FOR VAPOR BARRIER OPTIONS

| Sys. No.        | Deck<br>(Note 1)    | Primer        | Base Insulation Layer                                                                    |                             | Top Insulation Layer                               |                             | Primer        | Roof Cover (Note 15)       |                                   |                | MDP<br>(psf) |
|-----------------|---------------------|---------------|------------------------------------------------------------------------------------------|-----------------------------|----------------------------------------------------|-----------------------------|---------------|----------------------------|-----------------------------------|----------------|--------------|
|                 |                     |               | Type                                                                                     | Attach<br>(Notes 6,7,8)     | Type                                               | Attach<br>(Notes 6,7,8)     |               | Base Ply                   | Ply                               | Cap Ply        |              |
| C-16.           | Structural concrete | None          | Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield                                             | Insta Stik                  | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board   | Insta Stik                  | None          | SBS-SA                     | (Optional) SBS-SA                 | SBS-SA         | -172.5       |
| C-17.           | Structural concrete | FlintPrime QD | Min. 1.5-inch ACFoam II or ENRGY 3                                                       | OB500                       | Min. 0.25-inch DensDeck                            | OB500                       | FlintPrime QD | SBS-SA                     | (Optional) SBS-SA                 | SBS-SA         | -120.0       |
| C-18.           | Structural concrete | None          | Min. 1.5-inch ACFoam II or ENRGY 3                                                       | OB500                       | Min. 0.25-inch DensDeck                            | OB500                       | FlintPrime QD | SBS-SA                     | (Optional) SBS-SA                 | SBS-SA         | -150.0       |
| C-19.           | Structural concrete | None          | Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield                                             | OB500                       | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board   | OB500                       | None          | SBS-SA                     | (Optional) SBS-SA                 | SBS-SA         | -172.5       |
| C-20.           | Structural concrete | None          | Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max | Polysset BM or Polysset CRA | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board   | Polysset BM or Polysset CRA | None          | SBS-SA                     | (Optional) SBS-SA                 | SBS-SA         | -172.5       |
| C-21.           | Structural concrete | None          | Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max | Polysset BM or Polysset CRA | Min. 0.25-inch DensDeck                            | Polysset BM or Polysset CRA | FlintPrime QD | SBS-SA                     | (Optional) SBS-SA                 | SBS-SA         | -192.5       |
| HYBRID SYSTEMS: |                     |               |                                                                                          |                             |                                                    |                             |               |                            |                                   |                |              |
| C-22.           | Structural concrete | FlintPrime QD | Min. 1.5-inch ACFoam II or H-Shield                                                      | hot asphalt                 | (Optional) Additional layer(s) base insulation     | hot asphalt                 | None          | Flintlastic Ultra Glass SA | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -322.5       |
| C-23.           | Structural concrete | FlintPrime QD | Min. 1.5-inch ACFoam II or H-Shield                                                      | hot asphalt                 | (Optional) Additional layer(s) base insulation     | hot asphalt                 | None          | Black Diamond Base Sheet   | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -375.0       |
| C-24.           | Structural concrete | None          | (Optional) Min. 1.5-inch ACFoam II or H-Shield                                           | M-OSFA or M-PG1             | Min. 0.5-inch ACFoam-HD Cover Board or H-Shield HD | M-OSFA or M-PG1             | None          | SBS-SA-H                   | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -97.5        |
| C-25.           | Structural concrete | None          | (Optional) Min. 1.5-inch ACFoam II or H-Shield                                           | M-OSFA or M-PG1             | Min. 2-inch H-Shield HD Composite CG               | M-OSFA or M-PG1             | None          | SBS-SA-H                   | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -142.5       |
| C-26.           | Structural concrete | None          | Min. 1.5-inch ACFoam II or H-Shield                                                      | M-OSFA                      | (Optional) Additional layer(s) base insulation     | M-OSFA                      | None          | SBS-SA-H                   | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -232.5       |
| C-27.           | Structural concrete | None          | Min. 1.5-inch ACFoam II or H-Shield                                                      | M-OSFA                      | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board   | M-OSFA                      | None          | SBS-SA-H                   | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -217.5       |
| C-28.           | Structural concrete | None          | Min. 1-inch Styrofoam Brand Roofmate                                                     | M-OSFA or M-PG1             | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board   | M-OSFA or M-PG1             | None          | SBS-SA-H                   | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -210.0       |
| C-29.           | Structural concrete | None          | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                                         | M-OSFA                      | None                                               | N/A                         | None          | SBS-SA-H                   | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -195.0       |
| C-30.           | Structural concrete | None          | Min. 1.5-inch ACFoam II or H-Shield                                                      | M-PG1                       | (Optional) Additional layer(s) base insulation     | M-PG1                       | None          | SBS-SA-H                   | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -270.0       |



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

| Sys. No. | Deck <a href="#">[Note 1]</a> | Primer | Base Insulation Layer                            |                                      | Top Insulation Layer                                                                                                    |                                      | Primer | Roof Cover <a href="#">[Note 15]</a> |                                   |                | MDP <a href="#">[psf]</a> |
|----------|-------------------------------|--------|--------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--------|--------------------------------------|-----------------------------------|----------------|---------------------------|
|          |                               |        | Type                                             | Attach <a href="#">[Notes 5,7,8]</a> | Type                                                                                                                    | Attach <a href="#">[Notes 5,7,8]</a> |        | Base Ply                             | Ply                               | Cap Ply        |                           |
| C-31.    | Structural concrete           | None   | Min. 1.5-inch ACfoam II or H-Shield              | M-PG1                                | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                                                                        | M-PG1                                | None   | SBS-SA-H                             | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -217.5                    |
| C-32.    | Structural concrete           | None   | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | M-PG1                                | None                                                                                                                    | N/A                                  | None   | SBS-SA-H                             | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -195.0                    |
| C-33.    | Structural concrete           | None   | (Optional) Min. 1.5-inch ACfoam II or H-Shield   | M-OSFA or M-PG1, 6-inch o.c.         | Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board or min. 0.5-inch ACfoam-HD CoverBoard or H-Shield HD | M-OSFA or M-PG1, 6-inch o.c.         | None   | SBS-SA-H                             | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -315.0                    |
| C-34.    | Structural concrete           | None   | (Optional) Min. 1.5-inch ACfoam II or H-Shield   | M-OSFA or M-PG1, 6-inch o.c.         | Min. 2-inch H-Shield HD Composite CG                                                                                    | M-OSFA or M-PG1, 6-inch o.c.         | None   | SBS-SA-H                             | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -342.5                    |
| C-35.    | Structural concrete           | None   | (Optional) Min. 1.5-inch ACfoam II or H-Shield   | M-PG1-EF-ECO                         | Min. 0.5-inch H-Shield HD                                                                                               | M-PG1-EF-ECO                         | None   | SBS-SA-H                             | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -97.5                     |
| C-36.    | Structural concrete           | None   | (Optional) Min. 1.5-inch ACfoam II or H-Shield   | M-PG1-EF-ECO                         | Min. 2-inch H-Shield HD Composite CG                                                                                    | M-PG1-EF-ECO                         | None   | SBS-SA-H                             | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -142.5                    |
| C-37.    | Structural concrete           | None   | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | M-PG1-EF-ECO                         | None                                                                                                                    | N/A                                  | None   | SBS-SA-H                             | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -195.0                    |
| C-38.    | Structural concrete           | None   | Min. 1.5-inch ACfoam II or H-Shield              | M-PG1-EF-ECO                         | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                                                                        | M-PG1-EF-ECO                         | None   | SBS-SA-H                             | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -217.5                    |
| C-39.    | Structural concrete           | None   | Min. 1.5-inch ACfoam II or H-Shield              | M-PG1-EF-ECO                         | (Optional) Additional layer(s) base insulation                                                                          | M-PG1-EF-ECO                         | None   | SBS-SA-H                             | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -247.5                    |
| C-40.    | Structural concrete           | None   | Min. 1.5-inch ACfoam II or H-Shield              | Insta Stik                           | (Optional) Additional layer(s) base insulation                                                                          | Insta Stik                           | None   | SBS-SA-H                             | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -135.0                    |
| C-41.    | Structural concrete           | None   | Min. 1.5-inch ACfoam II or H-Shield              | Insta Stik                           | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                                                                        | Insta Stik                           | None   | SBS-SA-H                             | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -217.5                    |
| C-42.    | Structural concrete           | None   | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | Insta Stik                           | None                                                                                                                    | N/A                                  | None   | SBS-SA-H                             | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -195.0                    |
| C-43.    | Structural concrete           | None   | Min. 1.5-inch ACfoam II or H-Shield              | OB500                                | (Optional) Additional layer(s) base insulation                                                                          | OB500                                | None   | SBS-SA-H                             | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -135.0                    |
| C-44.    | Structural concrete           | None   | Min. 1.5-inch ACfoam II or H-Shield              | OB500                                | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                                                                        | OB500                                | None   | SBS-SA-H                             | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -217.5                    |
| C-45.    | Structural concrete           | None   | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | OB500                                | None                                                                                                                    | N/A                                  | None   | SBS-SA-H                             | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -195.0                    |

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PEER-CTR-003.A.R31 for FL2533-R30 (NON-HVHZ)  
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TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

REFER TO SECTION 9.1 FOR VAPOR BARRIER OPTIONS

| Sys. No. | Deck<br>(Note 1)    | Primer | Base Insulation Layer                                |                             | Top Insulation Layer                             |                             | Primer | Roof Cover (Note 15) |                                   |                | MDP<br>(psf) |
|----------|---------------------|--------|------------------------------------------------------|-----------------------------|--------------------------------------------------|-----------------------------|--------|----------------------|-----------------------------------|----------------|--------------|
|          |                     |        | Type                                                 | Attach<br>(Notes 6,7,8)     | Type                                             | Attach<br>(Notes 6,7,8)     |        | Base Ply             | Ply                               | Cap Ply        |              |
| C-46.    | Structural concrete | None   | Min. 1.5-inch ACfoam II or H-Shield                  | Polysset BM or Polysset CRA | (Optional) Additional layer(s) base insulation   | Polysset BM or Polysset CRA | None   | SBS-SA-H             | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -270.0       |
| C-47.    | Structural concrete | None   | Min. 1.5-inch ACfoam II or H-Shield                  | Polysset BM or Polysset CRA | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | Polysset BM or Polysset CRA | None   | SBS-SA-H             | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -217.5       |
| C-48.    | Structural concrete | None   | Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS | Polysset CRA                | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | Polysset CRA                | None   | SBS-SA-H             | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -180.0       |
| C-49.    | Structural concrete | None   | Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS | Polysset CRA                | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | Polysset CRA                | None   | SBS-SA-H             | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -217.5       |
| C-50.    | Structural concrete | None   | Min. 1.5-inch Styrofoam Brand Roofmate               | Polysset CRA                | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | Polysset CRA                | None   | SBS-SA-H             | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -217.5       |
| C-51.    | Structural concrete | None   | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board     | Polysset BM or Polysset CRA | None                                             | N/A                         | None   | SBS-SA-H             | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, APP-TA | -195.0       |

CONVENTIONAL SYSTEMS:

|       |                     |               |                                                       |             |                                                  |             |      |                                 |                                            |                  |        |
|-------|---------------------|---------------|-------------------------------------------------------|-------------|--------------------------------------------------|-------------|------|---------------------------------|--------------------------------------------|------------------|--------|
| C-52. | Structural concrete | FlintPrime QD | Min. 1.5-inch ACfoam II                               | hot asphalt | Min. 0.25-inch DensDeck, DensDeck Prime          | hot asphalt | None | SBS-TA                          | (Optional) SBS-TA                          | SBS-TA           | -180.0 |
| C-53. | Structural concrete | FlintPrime QD | (Optional) Min. 1.5-inch ACfoam II                    | hot asphalt | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | hot asphalt | None | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -180.0 |
| C-54. | Structural concrete | FlintPrime QD | (Optional) Min. 2-inch ACfoam II, ENRGY 3 or H-Shield | hot asphalt | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | hot asphalt | None | BP-AA or SBS-AA                 | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -225.0 |
| C-55. | Structural concrete | FlintPrime QD | (Optional) Min. 1.5-inch ACfoam II or H-Shield        | hot asphalt | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | hot asphalt | None | APP-TA                          | (Optional) APP-TA                          | APP-TA           | -252.5 |
| C-56. | Structural concrete | FlintPrime QD | Min. 1.5-inch ACfoam II, ENRGY 3 or H-Shield          | hot asphalt | Min. 0.5-inch Structodek High Density Fiberboard | hot asphalt | None | BP-AA or SBS-AA                 | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -227.0 |
| C-57. | Structural concrete | FlintPrime QD | (Optional) Min. 2-inch ACfoam II, ENRGY 3 or H-Shield | hot asphalt | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | hot asphalt | None | SBS-TA or APP-TA                | (Optional) SBS-TA or APP-TA                | APP-TA           | -232.5 |
| C-58. | Structural concrete | FlintPrime QD | Min. 1.5-inch ACfoam II, ENRGY 3 or H-Shield          | hot asphalt | Min. 0.25-inch DensDeck                          | hot asphalt | None | BP-AA or SBS-AA                 | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -240.0 |
| C-59. | Structural concrete | FlintPrime QD | Min. 1.5-inch ACfoam II                               | hot asphalt | Min. 0.75-inch Fescoboard (homogeneous)          | hot asphalt | None | BP-AA or SBS-AA                 | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -412.0 |



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

REFER TO [TABLE 3B](#) FOR VAPOR BARRIER OPTIONS

| Sys. No. | Deck <a href="#">[Note 1]</a> | Primer        | Base Insulation Layer                                                                   |                                      | Top Insulation Layer                             |                                      | Primer | Roof Cover <a href="#">[Note 15]</a> |                                            |                  | MDP <a href="#">[Foot]</a> |
|----------|-------------------------------|---------------|-----------------------------------------------------------------------------------------|--------------------------------------|--------------------------------------------------|--------------------------------------|--------|--------------------------------------|--------------------------------------------|------------------|----------------------------|
|          |                               |               | Type                                                                                    | Attach <a href="#">[Notes 6,7,8]</a> | Type                                             | Attach <a href="#">[Notes 6,7,8]</a> |        | Base Ply                             | Ply                                        | Cap Ply          |                            |
| C-60.    | Structural concrete           | FlintPrime QD | Min. 1.5-inch ACFoam II                                                                 | hot asphalt                          | Min. 0.5-inch DuraBoard (homogeneous)            | hot asphalt                          | None   | BP-AA or SBS-AA                      | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -430.0                     |
| C-61.    | Structural concrete           | FlintPrime QD | 0.5-inch Structodek High Density Fiberboard or min. 0.75-inch Fesco Board (homogeneous) | hot asphalt                          | None                                             | N/A                                  | None   | BP-AA                                | (Optional) BP-AA or SBS-AA                 | SBS-AA           | -437.5                     |
| C-62.    | Structural concrete           | FlintPrime QD | 0.25-inch DensDeck, DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board                 | hot asphalt                          | None                                             | N/A                                  | None   | SBS-TA                               | (Optional) SBS-AA or SBS-TA                | SBS-AA           | -302.5                     |
| C-63.    | Structural concrete           | FlintPrime QD | 0.25-inch DensDeck, DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board                 | hot asphalt                          | None                                             | N/A                                  | None   | BP-AA                                | (Optional) BP-AA or SBS-AA                 | SBS-AA           | -537.5                     |
| C-64.    | Structural concrete           | None          | Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield                                            | M-OSFA                               | Min. 0.5-inch Structodek High Density Fiberboard | M-OSFA                               | None   | BP-AA or SBS-AA                      | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -127.5                     |
| C-65.    | Structural concrete           | None          | Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield                                            | M-PG1                                | Min. 0.5-inch Structodek High Density Fiberboard | M-PG1                                | None   | BP-AA or SBS-AA                      | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -180.0                     |
| C-66.    | Structural concrete           | None          | Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield                                            | M-OSFA                               | Min. 0.25-inch DensDeck                          | M-OSFA                               | None   | BP-AA or SBS-AA                      | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -232.5                     |
| C-67.    | Structural concrete           | None          | Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield                                            | M-PG1                                | Min. 0.25-inch DensDeck                          | M-PG1                                | None   | BP-AA or SBS-AA                      | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -240.0                     |
| C-68.    | Structural concrete           | None          | Min. 1.5-inch ACFoam II or H-Shield                                                     | M-PG1                                | Min. 0.25-inch DensDeck                          | M-PG1                                | None   | BP-AA, SBS-AA                        | (Optional) BP-AA, SBS-AA or SBS-TA         | SBS-AA           | -297.5                     |
| C-69.    | Structural concrete           | None          | Min. 2-inch ACFoam II, ENRGY 3 or H-Shield                                              | M-OSFA or M-PG1                      | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | M-OSFA or M-PG1                      | None   | BP-AA or SBS-AA                      | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -225.0                     |
| C-70.    | Structural concrete           | None          | Min. 2-inch ACFoam II, ENRGY 3 or H-Shield                                              | M-OSFA or M-PG1                      | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | M-OSFA or M-PG1                      | None   | SBS-TA or APP-TA                     | (Optional) SBS-TA or APP-TA                | APP-TA           | -232.5                     |
| C-71.    | Structural concrete           | None          | Min. 1.5-inch ACFoam II or H-Shield                                                     | M-OSFA or M-PG1                      | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | M-OSFA or M-PG1                      | None   | APP-TA                               | (Optional) APP-TA                          | APP-TA           | -252.5                     |



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TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER  
REFER TO [SECTION 9.1](#) FOR VAPOR BARRIER OPTIONS

| Sys. No. | Deck <a href="#">(Note 1)</a> | Primer | Base Insulation Layer                                              |                                      | Top Insulation Layer                                               |                                      | Primer | Roof Cover <a href="#">(Note 15)</a> |                                            |                  | MDP <a href="#">(Note 1)</a> |
|----------|-------------------------------|--------|--------------------------------------------------------------------|--------------------------------------|--------------------------------------------------------------------|--------------------------------------|--------|--------------------------------------|--------------------------------------------|------------------|------------------------------|
|          |                               |        | Type                                                               | Attach <a href="#">(Notes 6,7,8)</a> | Type                                                               | Attach <a href="#">(Notes 6,7,8)</a> |        | Base Ply                             | Ply                                        | Cap Ply          |                              |
| C-72.    | Structural concrete           | None   | Min. 1.5-inch ACFoam II or H-Shield                                | M-OSFA or M-PG1                      | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                   | M-OSFA or M-PG1                      | None   | BP-AA, SBS-AA or SBS-TA              | (Optional) BP-AA, SBS-AA or SBS-TA         | SBS-AA           | -297.5                       |
| C-73.    | Structural concrete           | None   | 0.5-inch Structodek High Density Fiberboard                        | M-PG1                                | None                                                               | N/A                                  | None   | BP-AA, SBS-AA                        | (Optional) BP-AA, SBS-AA, SBS-TA or App-TA | SBS-AA or App-TA | -195.0                       |
| C-74.    | Structural concrete           | None   | Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board | M-PG1                                | None                                                               | N/A                                  | None   | BP-AA, SBS-AA, SBS-TA or App-TA      | (Optional) BP-AA, SBS-AA, SBS-TA or App-TA | SBS-AA or App-TA | -195.0                       |
| C-75.    | Structural concrete           | None   | (Optional) Min. 1.5-inch ACFoam II or H-Shield                     | M-OSFA or M-PG1, 6-inch o.c.         | Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board | M-OSFA or M-PG1, 6-inch o.c.         | None   | SBS-AA or SBS-TA                     | (Optional) SBS-AA or SBS-TA                | SBS-AA           | -315.0                       |
| C-76.    | Structural concrete           | None   | (Optional) Min. 1.5-inch ACFoam II or H-Shield                     | M-OSFA or M-PG1, 6-inch o.c.         | Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board | M-OSFA or M-PG1, 6-inch o.c.         | None   | Flintlastic STA                      | (Optional) App-TA                          | App-TA           | -315.0                       |
| C-77.    | Structural concrete           | None   | Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board | M-PG1-EF-ECO                         | None                                                               | N/A                                  | None   | BP-AA, SBS-AA, SBS-TA or App-TA      | (Optional) BP-AA, SBS-AA, SBS-TA or App-TA | SBS-AA or App-TA | -195.0                       |
| C-78.    | Structural concrete           | None   | Min. 1.5-inch ACFoam II or H-Shield                                | M-PG1-EF-ECO                         | Min. 0.25-inch DensDeck Prime                                      | M-PG1-EF-ECO                         | None   | BP-AA, SBS-AA                        | (Optional) BP-AA, SBS-AA or SBS-TA         | SBS-AA           | -247.5                       |
| C-79.    | Structural concrete           | None   | Min. 1.5-inch ACFoam II or H-Shield                                | M-PG1-EF-ECO                         | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                   | M-PG1-EF-ECO                         | None   | BP-AA, SBS-AA, SBS-TA or App-TA      | (Optional) BP-AA, SBS-AA, SBS-TA or App-TA | SBS-AA or App-TA | -247.5                       |
| C-80.    | Structural concrete           | None   | Min. 1.5-inch ACFoam II or H-Shield                                | Insta Stik                           | Min. 0.25-inch DensDeck Prime                                      | Insta Stik                           | None   | BP-AA, SBS-AA                        | (Optional) BP-AA, SBS-AA or SBS-TA         | SBS-AA           | -297.5                       |
| C-81.    | Structural concrete           | None   | Min. 2-inch ACFoam II, ENRGV 3 or H-Shield                         | Insta Stik                           | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                   | Insta Stik                           | None   | BP-AA or SBS-AA                      | (Optional) BP-AA, SBS-AA, SBS-TA or App-TA | SBS-AA or App-TA | -225.0                       |
| C-82.    | Structural concrete           | None   | Min. 2-inch ACFoam II, ENRGV 3 or H-Shield                         | Insta Stik                           | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                   | Insta Stik                           | None   | SBS-TA or App-TA                     | (Optional) SBS-TA or App-TA                | App-TA           | -232.5                       |
| C-83.    | Structural concrete           | None   | Min. 1.5-inch ACFoam II or H-Shield                                | Insta Stik                           | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                   | Insta Stik                           | None   | App-TA                               | (Optional) App-TA                          | App-TA           | -252.5                       |
| C-84.    | Structural concrete           | None   | Min. 1.5-inch ACFoam II or H-Shield                                | Insta Stik                           | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                   | Insta Stik                           | None   | BP-AA, SBS-AA or SBS-TA              | (Optional) BP-AA, SBS-AA or SBS-TA         | SBS-AA           | -297.5                       |



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

| Sys. No. | Deck <a href="#">[Note 1]</a> | Primer | Base Insulation Layer                                                                    |                                      | Top Insulation Layer                             |                                      | Primer | Roof Cover <a href="#">[Note 15]</a> |                                            |                  | MDP <a href="#">[psf]</a> |
|----------|-------------------------------|--------|------------------------------------------------------------------------------------------|--------------------------------------|--------------------------------------------------|--------------------------------------|--------|--------------------------------------|--------------------------------------------|------------------|---------------------------|
|          |                               |        | Type                                                                                     | Attach <a href="#">[Notes 6,7,8]</a> | Type                                             | Attach <a href="#">[Notes 6,7,8]</a> |        | Base Ply                             | Ply                                        | Cap Ply          |                           |
| C-85.    | Structural concrete           | None   | 0.5-inch Structodek High Density Fiberboard                                              | Insta Stik                           | None                                             | N/A                                  | None   | BP-AA, SBS-AA                        | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -195.0                    |
| C-86.    | Structural concrete           | None   | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                                         | Insta Stik                           | None                                             | N/A                                  | None   | BP-AA, SBS-AA, SBS-TA or APP-TA      | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -195.0                    |
| C-87.    | Structural concrete           | None   | Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield                                             | OB500                                | Min. 0.5-inch Structodek High Density Fiberboard | OB500                                | None   | BP-AA or SBS-AA                      | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -120.0                    |
| C-88.    | Structural concrete           | None   | Min. 1.5-inch ACFoam II                                                                  | OB500                                | Min. 0.25-inch DensDeck or DensDeck Prime        | OB500                                | None   | BP-AA, SBS-AA, SBS-TA or APP-TA      | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -150.0                    |
| C-89.    | Structural concrete           | None   | Min. 1.5-inch ACFoam II or H-Shield                                                      | OB500                                | Min. 0.25-inch DensDeck Prime                    | OB500                                | None   | BP-AA, SBS-AA or SBS-TA              | (Optional) BP-AA, SBS-AA or SBS-TA         | SBS-AA           | -297.5                    |
| C-90.    | Structural concrete           | None   | Min. 2-inch ACFoam II, ENRGY 3 or H-Shield                                               | OB500                                | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | OB500                                | None   | BP-AA or SBS-AA                      | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -225.0                    |
| C-91.    | Structural concrete           | None   | Min. 2-inch ACFoam II, ENRGY 3 or H-Shield                                               | OB500                                | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | OB500                                | None   | SBS-TA or APP-TA                     | (Optional) SBS-TA or APP-TA                | APP-TA           | -232.5                    |
| C-92.    | Structural concrete           | None   | Min. 1.5-inch ACFoam II or H-Shield                                                      | OB500                                | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | OB500                                | None   | APP-TA                               | (Optional) APP-TA                          | APP-TA           | -252.5                    |
| C-93.    | Structural concrete           | None   | Min. 1.5-inch ACFoam II or H-Shield                                                      | OB500                                | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | OB500                                | None   | BP-AA, SBS-AA or SBS-TA              | (Optional) BP-AA, SBS-AA or SBS-TA         | SBS-AA           | -297.5                    |
| C-94.    | Structural concrete           | None   | 0.5-inch Structodek High Density Fiberboard                                              | OB500                                | None                                             | N/A                                  | None   | BP-AA, SBS-AA                        | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -195.0                    |
| C-95.    | Structural concrete           | None   | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                                         | OB500                                | None                                             | N/A                                  | None   | BP-AA, SBS-AA, SBS-TA or APP-TA      | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -195.0                    |
| C-96.    | Structural concrete           | None   | Min. 1-inch ENRGY 3, H-Shield or H-Shield EG or min. 1.5-inch Multi-Max FA3 or Ultra-Max | Polysat BM or Polysat CRA            | Min. 0.5-inch Structodek High Density Fiberboard | Polysat CRA                          | None   | BP-AA or SBS-AA                      | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -180.0                    |



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TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER  
REFER TO SECTION 9.0 FOR VAPOR BARRIER OPTIONS

| Sys. No.                       | Deck<br>(Note 1)    | Primer        | Base Insulation Layer                                                                                               |                             | Top Insulation Layer                              |                             | Primer | Roof Cover (Note 15)                          |                                                          |                  | MDP<br>(psf) |
|--------------------------------|---------------------|---------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------|-----------------------------|--------|-----------------------------------------------|----------------------------------------------------------|------------------|--------------|
|                                |                     |               | Type                                                                                                                | Attach<br>(Notes 6,7,8)     | Type                                              | Attach<br>(Notes 6,7,8)     |        | Base Ply                                      | Ply                                                      | Cap Ply          |              |
| C-97.                          | Structural concrete | None          | Min. 1-inch ENRGY 3, H-Shield, or H-Shield CG, min. 1.3-inch ACfoam III or min. 1.5-inch Multi-Max FA3 or Ultra-Max | Polysset BM or Polysset CRA | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board  | Polysset BM or Polysset CRA | None   | BP-AA or SBS-AA                               | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA               | SBS-AA or APP-TA | -225.0       |
| C-98.                          | Structural concrete | None          | Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max                            | Polysset BM or Polysset CRA | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board  | Polysset BM or Polysset CRA | None   | SBS-TA or APP-TA                              | (Optional) SBS-TA or APP-TA                              | APP-TA           | -232.5       |
| C-99.                          | Structural concrete | None          | Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max                            | Polysset BM or Polysset CRA | Min. 0.25-inch DensDeck                           | Polysset BM or Polysset CRA | None   | BP-AA or SBS-AA                               | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA               | SBS-AA or APP-TA | -240.0       |
| C-100.                         | Structural concrete | None          | 0.5-inch Structodek High Density Fiberboard                                                                         | Polysset BM or Polysset CRA | None                                              | N/A                         | None   | BP-AA, SBS-AA                                 | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA               | SBS-AA or APP-TA | -195.0       |
| C-101.                         | Structural concrete | None          | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                                                                    | Polysset BM or Polysset CRA | None                                              | N/A                         | None   | BP-AA, SBS-AA, SBS-TA or APP-TA               | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA               | SBS-AA or APP-TA | -195.0       |
| SPOT- OR STRIP-MAPPED SYSTEMS: |                     |               |                                                                                                                     |                             |                                                   |                             |        |                                               |                                                          |                  |              |
| C-102.                         | Structural concrete | FlintPrime QD | Min. 1.5-inch ACfoam II, ENRGY 3 or H-Shield                                                                        | hot asphalt                 | (Optional) Additional layer(s) of base insulation | hot asphalt                 | None   | BP-AA3, 24-inch grid                          | (Optional) BP-AA, SBS-AA                                 | SBS-AA           | -37.5        |
| COLD-APPLIED SYSTEMS:          |                     |               |                                                                                                                     |                             |                                                   |                             |        |                                               |                                                          |                  |              |
| C-103.                         | Structural concrete | None          | (Optional) Min. 1.5-inch ACfoam II or H-Shield                                                                      | M-OSFA or M-PG1             | Min. 0.25-inch DEXcell FA Glass Mat Roof Board    | M-OSFA or M-PG1             | None   | Flintlastic Poly SMS Base Sheet in Karnak #81 | (Optional) Flintlastic Poly SMS Base Sheet in Karnak #81 | SBS-CA1          | -90.0        |
| C-104.                         | Structural concrete | None          | (Optional) Min. 1.5-inch ACfoam II or H-Shield                                                                      | M-OSFA or M-PG1             | Min. 0.5-inch ACfoam-HD CoverBoard or H-Shield HD | M-OSFA or M-PG1             | None   | SBS-CA1                                       | None                                                     | SBS-CA1          | -97.5        |
| C-105.                         | Structural concrete | None          | (Optional) Min. 1.5-inch ACfoam II or H-Shield                                                                      | M-OSFA or M-PG1             | Min. 0.5-inch ACfoam-HD CoverBoard or H-Shield HD | M-OSFA or M-PG1             | None   | SBS-CA4                                       | None                                                     | SBS-CA4          | -97.5        |
| C-106.                         | Structural concrete | None          | (Optional) Min. 1.5-inch ACfoam II or H-Shield                                                                      | M-OSFA or M-PG1             | Min. 2-inch H-Shield HD Composite CG              | M-OSFA or M-PG1             | None   | SBS-CA4                                       | None                                                     | SBS-CA4          | -97.5        |
| C-107.                         | Structural concrete | None          | Min. 0.5-inch ACfoam II or H-Shield                                                                                 | M-OSFA or M-PG1             | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board  | M-OSFA or M-PG1             | None   | SBS-CA1                                       | None                                                     | SBS-CA1          | -105.0       |
| C-108.                         | Structural concrete | None          | Min. 0.5-inch ACfoam II or H-Shield                                                                                 | M-OSFA or M-PG1             | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board  | M-OSFA or M-PG1             | None   | SBS-CA4                                       | None                                                     | SBS-CA4          | -105.0       |



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

REFER TO SECTION 9.1 FOR VAPEUR BARRIER OPTIONS

| Sys. No. | Deck [Note 1]       | Primer | Base Insulation Layer                          |                              | Top Insulation Layer                             |                              | Primer | Roof Cover [Note 15]                          |                                                          |         | MDP [psf] |
|----------|---------------------|--------|------------------------------------------------|------------------------------|--------------------------------------------------|------------------------------|--------|-----------------------------------------------|----------------------------------------------------------|---------|-----------|
|          |                     |        | Type                                           | Attach [Notes 5,7,8]         | Type                                             | Attach [Notes 5,7,8]         |        | Base Ply                                      | Ply                                                      | Cap Ply |           |
| C-109.   | Structural concrete | None   | (Optional) Min. 1.5-inch ACfoam II or H-Shield | M-OSFA or M-PG1, 6-inch o.c. | Min. 0.25-inch DEXcell FA Glass Mat Roof Board   | M-OSFA or M-PG1, 6-inch o.c. | None   | Flintlastic Poly SMS Base Sheet in Karnak #81 | (Optional) Flintlastic Poly SMS Base Sheet in Karnak #81 | SBS-CA1 | -112.5    |
| C-110.   | Structural concrete | None   | (Optional) Min. 1.5-inch ACfoam II or H-Shield | M-PG1-EF-ECO                 | Min. 0.5-inch H-Shield HD                        | M-PG1-EF-ECO                 | None   | SBS-CA1                                       | None                                                     | SBS-CA1 | -97.5     |
| C-111.   | Structural concrete | None   | (Optional) Min. 1.5-inch ACfoam II or H-Shield | M-PG1-EF-ECO                 | Min. 0.5-inch H-Shield HD                        | M-PG1-EF-ECO                 | None   | SBS-CA4                                       | None                                                     | SBS-CA4 | -97.5     |
| C-112.   | Structural concrete | None   | (Optional) Min. 1.5-inch ACfoam II or H-Shield | M-PG1-EF-ECO                 | Min. 2-inch H-Shield HD Composite CG             | M-PG1-EF-ECO                 | None   | SBS-CA4                                       | None                                                     | SBS-CA4 | -97.5     |
| C-113.   | Structural concrete | None   | Min. 0.5-inch ACfoam II or H-Shield            | M-PG1-EF-ECO                 | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | M-PG1-EF-ECO                 | None   | SBS-CA1                                       | None                                                     | SBS-CA1 | -105.0    |
| C-114.   | Structural concrete | None   | Min. 0.5-inch ACfoam II or H-Shield            | M-PG1-EF-ECO                 | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | M-PG1-EF-ECO                 | None   | SBS-CA4                                       | None                                                     | SBS-CA4 | -105.0    |
| C-115.   | Structural concrete | None   | (Optional) Min. 0.5-inch ACfoam II or H-Shield | OB500                        | Min. 1.5-inch ACfoam III or H-Shield CG          | OB500                        | None   | SBS-CA1                                       | None                                                     | SBS-CA1 | -82.5     |
| C-116.   | Structural concrete | None   | Min. 0.5-inch ACfoam II or H-Shield            | OB500                        | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | OB500                        | None   | SBS-CA1                                       | None                                                     | SBS-CA1 | -105.0    |
| C-117.   | Structural concrete | None   | Min. 0.5-inch ACfoam II or H-Shield            | OB500                        | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | OB500                        | None   | SBS-CA4                                       | None                                                     | SBS-CA4 | -105.0    |
| C-118.   | Structural concrete | None   | (Optional) Min. 0.5-inch ACfoam II or H-Shield | Polysset BM or Polysset CRA  | Min. 1.5-inch ACfoam III or H-Shield CG          | Polysset BM or Polysset CRA  | None   | SBS-CA1                                       | None                                                     | SBS-CA1 | -82.5     |
| C-119.   | Structural concrete | None   | Min. 0.5-inch ACfoam II or H-Shield            | Polysset BM or Polysset CRA  | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | Polysset BM or Polysset CRA  | None   | SBS-CA1                                       | None                                                     | SBS-CA1 | -105.0    |
| C-120.   | Structural concrete | None   | Min. 0.5-inch ACfoam II or H-Shield            | Polysset BM or Polysset CRA  | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | Polysset BM or Polysset CRA  | None   | SBS-CA4                                       | None                                                     | SBS-CA4 | -105.0    |



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

| System No.             | Deck<br><i>(Note 1)</i> | Primer        | Roof Cover <i>(Note 15)</i> |                                            |         | MDP<br><i>(psf)</i>    |        |
|------------------------|-------------------------|---------------|-----------------------------|--------------------------------------------|---------|------------------------|--------|
|                        |                         |               | Base Ply                    | Ply                                        | Cap Ply |                        |        |
| SELF-ADHERING SYSTEMS: |                         |               |                             |                                            |         |                        |        |
| C-121.                 | Structural concrete     | FlintPrime QD | SBS-SA                      | (Optional) SBS-SA                          |         | SBS-SA                 | -630.0 |
| HYBRID SYSTEMS:        |                         |               |                             |                                            |         |                        |        |
| C-122.                 | Structural concrete     | FlintPrime QD | Flintlastic Ultra Glass SA  | (Optional) SBS-AA                          |         | SBS-AA                 | -135.0 |
| C-123.                 | Structural concrete     | FlintPrime QD | SBS-SA-H                    | (Optional) SBS-TA, APP-TA                  |         | SBS-TA, APP-TA         | -150.0 |
| C-124.                 | Structural concrete     | FlintPrime QD | Flintlastic Ultra Glass SA  | (Optional) SBS-TA, APP-TA                  |         | SBS-TA, APP-TA         | -322.5 |
| C-125.                 | Structural concrete     | FlintPrime QD | SBS-SA-H                    | (Optional) BP-AA, SBS-AA                   |         | SBS-AA                 | -240.0 |
| C-126.                 | Structural concrete     | FlintPrime QD | BP-AA, SBS-AA               | SBS-SA-H                                   |         | SBS-AA, SBS-TA, APP-TA | -635.0 |
| CONVENTIONAL SYSTEMS:  |                         |               |                             |                                            |         |                        |        |
| C-127.                 | Structural concrete     | FlintPrime QD | APP-TA                      | (Optional) APP-TA                          |         | APP-TA                 | -420.0 |
| C-128.                 | Structural concrete     | FlintPrime QD | BP-AA, SBS-AA               | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA |         | SBS-AA or APP-TA       | -635.0 |
| COLD-APPLIED SYSTEMS:  |                         |               |                             |                                            |         |                        |        |
| C-129.                 | Structural concrete     | FlintPrime QD | SBS-CA1                     | (Optional) SBS-CA1                         |         | SBS-CA1                | -262.5 |



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

| SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER |                                                    |                                                                                        |                                                                                    |                                                 |                                                             |                                                 |                                      |                                            |                  |                               |
|-------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------|--------------------------------------|--------------------------------------------|------------------|-------------------------------|
| System No.                                            | Deck<br><a href="#">[Note 1]</a>                   | Lightweight Concrete<br><a href="#">[Note 14]</a>                                      | Base Insulation Layer                                                              |                                                 | Coverboard                                                  |                                                 | Roof Cover <a href="#">[Note 15]</a> |                                            |                  | MDP<br><a href="#">[Inst]</a> |
|                                                       |                                                    |                                                                                        | Type                                                                               | Attach<br><a href="#">[Notes 6,7,8]</a>         | Type                                                        | Attach<br><a href="#">[Notes 6,7,8]</a>         | Base Ply                             | Ply                                        | Cap Ply          |                               |
| SELF-ADHERING SYSTEMS:                                |                                                    |                                                                                        |                                                                                    |                                                 |                                                             |                                                 |                                      |                                            |                  |                               |
| CELCORE (FL2037):                                     |                                                    |                                                                                        |                                                                                    |                                                 |                                                             |                                                 |                                      |                                            |                  |                               |
| LWC-1                                                 | Min. 22 ga.,<br>Type BV, Grade 33 steel, 6 ft span | Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG | M-OSFA                                          | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board            | M-OSFA                                          | SBS-SA                               | (Optional) SBS-SA                          | SBS-SA           | -52.5                         |
| LWC-2                                                 | Min. 22 ga.,<br>Type BV, Grade 33 steel, 6 ft span | Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG | M-PGI                                           | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board            | M-PGI                                           | SBS-SA                               | (Optional) SBS-SA                          | SBS-SA           | -52.5                         |
| LWC-3                                                 | Min. 22 ga.,<br>Type BV, Grade 33 steel, 6 ft span | Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG | OB500                                           | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board            | OB500                                           | SBS-SA                               | (Optional) SBS-SA                          | SBS-SA           | -52.5                         |
| LWC-4                                                 | Min. 22 ga.,<br>Type BV, Grade 33 steel, 6 ft span | Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG | Polysset BM                                     | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board            | Polysset BM                                     | SBS-SA                               | (Optional) SBS-SA                          | SBS-SA           | -52.5                         |
| LWC-5                                                 | Min. 22 ga.,<br>Type BV, Grade 33 steel, 6 ft span | Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG | Polysset CRA                                    | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board            | Polysset CRA                                    | SBS-SA                               | (Optional) SBS-SA                          | SBS-SA           | -52.5                         |
| HYBRID SYSTEMS:                                       |                                                    |                                                                                        |                                                                                    |                                                 |                                                             |                                                 |                                      |                                            |                  |                               |
| LWC-6                                                 | Min. 22 ga.,<br>Type BV, Grade 33 steel, 6 ft span | Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG | M-OSFA, M-PGI, OB500, Polysset BM, Polysset CRA | (Optional) Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | M-OSFA, M-PGI, OB500, Polysset BM, Polysset CRA | SBS-SA-H                             | (Optional) SBS-AA, SBS-TA or APP-TA        | SBS-AA or APP-TA | -52.5                         |
| CONVENTIONAL SYSTEMS:                                 |                                                    |                                                                                        |                                                                                    |                                                 |                                                             |                                                 |                                      |                                            |                  |                               |
| LWC-7                                                 | Min. 22 ga.,<br>Type BV, Grade 33 steel, 6 ft span | Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG | M-OSFA                                          | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board            | M-OSFA                                          | BP-AA or SBS-AA, SBS-TA or APP-TA    | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -52.5                         |
| LWC-8                                                 | Min. 22 ga.,<br>Type BV, Grade 33 steel, 6 ft span | Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG | M-PGI                                           | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board            | M-PGI                                           | BP-AA or SBS-AA, SBS-TA or APP-TA    | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -52.5                         |



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

| System No.                   | Deck<br><a href="#">[Note 1]</a>                         | Lightweight Concrete<br><a href="#">[Note 14]</a>                                                                                                                                                                        | Base Insulation Layer                                                                    |                                         | Coverboard                                              |                                         | Roof Cover <a href="#">[Note 15]</a>     |                                                    |                     | MDP<br><a href="#">[psf]</a> |
|------------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------------------------|-----------------------------------------|------------------------------------------|----------------------------------------------------|---------------------|------------------------------|
|                              |                                                          |                                                                                                                                                                                                                          | Type                                                                                     | Attach<br><a href="#">[Notes 6,7,8]</a> | Type                                                    | Attach<br><a href="#">[Notes 6,7,8]</a> | Base Ply                                 | Ply                                                | Cap Ply             |                              |
| LWC-9                        | Min. 22 ga.,<br>Type BV, Grade<br>33 steel, 6 ft<br>span | Min. 300 psi Celcore MF Cellular<br>Concrete with Celcore HS<br>Rheology Modifying Admixture                                                                                                                             | One or more layer(s), min.<br>1.5-inch ACFoam II, ACFoam<br>III, H-Shield or H-Shield CG | OB500                                   | Min. 0.25-inch<br>SECURROCK Gypsum-<br>Fiber Roof Board | OB500                                   | BP-AA or<br>SBS-AA, SBS-<br>TA or APP-TA | (Optional) BP-<br>AA, SBS-AA, SBS-<br>TA or APP-TA | SBS-AA or<br>APP-TA | -52.5                        |
| LWC-10                       | Min. 22 ga.,<br>Type BV, Grade<br>33 steel, 6 ft<br>span | Min. 300 psi Celcore MF Cellular<br>Concrete with Celcore HS<br>Rheology Modifying Admixture                                                                                                                             | One or more layer(s), min.<br>1.5-inch ACFoam II, ACFoam<br>III, H-Shield or H-Shield CG | Polysat BM                              | Min. 0.25-inch<br>SECURROCK Gypsum-<br>Fiber Roof Board | Polysat BM                              | BP-AA or<br>SBS-AA, SBS-<br>TA or APP-TA | (Optional) BP-<br>AA, SBS-AA, SBS-<br>TA or APP-TA | SBS-AA or<br>APP-TA | -52.5                        |
| LWC-11                       | Min. 22 ga.,<br>Type BV, Grade<br>33 steel, 6 ft<br>span | Min. 300 psi Celcore MF Cellular<br>Concrete with Celcore HS<br>Rheology Modifying Admixture                                                                                                                             | One or more layer(s), min.<br>1.5-inch ACFoam II, ACFoam<br>III, H-Shield or H-Shield CG | Polysat CRA                             | Min. 0.25-inch<br>SECURROCK Gypsum-<br>Fiber Roof Board | Polysat CRA                             | BP-AA or<br>SBS-AA, SBS-<br>TA or APP-TA | (Optional) BP-<br>AA, SBS-AA, SBS-<br>TA or APP-TA | SBS-AA or<br>APP-TA | -52.5                        |
| ELASTIZELL (NOA 18-0208.03): |                                                          |                                                                                                                                                                                                                          |                                                                                          |                                         |                                                         |                                         |                                          |                                                    |                     |                              |
| COLD APPLIED SYSTEMS:        |                                                          |                                                                                                                                                                                                                          |                                                                                          |                                         |                                                         |                                         |                                          |                                                    |                     |                              |
| LWC-12                       | Min. 22 ga.,<br>Type BV, Grade<br>33 steel, 5 ft<br>span | Min. 350 psi, min 2-inch Range II<br>Elastizell with Zell-Crete Fibers.                                                                                                                                                  | Min. 1.5-inch H-Shield CG                                                                | OB500, 6-<br>inch o.c.                  | (Optional) Additional<br>layers of base<br>insulation   | OB500, 6-inch<br>o.c.                   | BP-CA3 or<br>SBS-CA3                     | (Optional) BP-<br>CA3 or SBS-CA3                   | SBS-CA3             | -60.0                        |
| LWC-13                       | Min. 22 ga.,<br>Type BV, Grade<br>33 steel, 5 ft<br>span | Min. 350 psi, min 2-inch Range II<br>Elastizell with Zell-Crete Fibers.<br>When walkable, attach LWC with<br>Trufast #14 HD with Trufast 3" Metal<br>Insulation Plates at 1 per 8<br>ft² through to the structural deck. | Min. 1.5-inch H-Shield CG                                                                | OB500, 6-<br>inch o.c.                  | (Optional) Additional<br>layers of base<br>insulation   | OB500, 6-inch<br>o.c.                   | BP-CA3 or<br>SBS-CA3                     | (Optional) BP-<br>CA3 or SBS-CA3                   | SBS-CA3             | -67.5                        |



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TABLE 48: LIGHTWEIGHT CONCRETE OVER STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

| System No.             | Deck<br><small>[Note 1]</small> | Lightweight Concrete<br><small>[Note 14]</small>                                                                                                                                                     | Base Insulation Layer                                                              |                                        | Coverboard                                       |                                        | Roof Cover <small>[Note 15]</small> |          |                   |         |        | MDP<br><small>[psf]</small> |
|------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------------------|----------------------------------------|-------------------------------------|----------|-------------------|---------|--------|-----------------------------|
|                        |                                 |                                                                                                                                                                                                      | Type                                                                               | Attach<br><small>[Notes 6,7,8]</small> | Type                                             | Attach<br><small>[Notes 6,7,8]</small> | Primer                              | Base Ply | Ply               | Cap Ply |        |                             |
| SELF-ADHERING SYSTEMS: |                                 |                                                                                                                                                                                                      |                                                                                    |                                        |                                                  |                                        |                                     |          |                   |         |        |                             |
| LWC-14                 | Structural concrete             | Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound                                                        | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG | M-OSFA                                 | Min. 0.25-inch DensDeck                          | M-OSFA                                 | FlintPrime QD                       | SBS-SA   | (Optional) SBS-SA | SBS-SA  | -90.0  |                             |
| LWC-15                 | Structural concrete             | Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound                                                        | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG | M-OSFA                                 | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | M-OSFA                                 | None                                | SBS-SA   | (Optional) SBS-SA | SBS-SA  | -90.0  |                             |
| LWC-16                 | Structural concrete             | Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound and surfaced with Celcore Sanded Bonding Surface (SBS) | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG | M-OSFA                                 | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | M-OSFA                                 | None                                | SBS-SA   | (Optional) SBS-SA | SBS-SA  | -172.5 |                             |
| LWC-17                 | Structural concrete             | Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound and surfaced with Celcore Sanded Bonding Surface (SBS) | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG | M-OSFA                                 | Min. 0.25-inch DensDeck                          | M-OSFA                                 | FlintPrime QD                       | SBS-SA   | (Optional) SBS-SA | SBS-SA  | -192.5 |                             |
| LWC-18                 | Structural concrete             | Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound and surfaced with Celcore Sanded Bonding Surface (SBS) | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG | M-OSFA                                 | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | M-OSFA                                 | FlintPrime QD                       | SBS-SA   | (Optional) SBS-SA | SBS-SA  | -217.5 |                             |
| LWC-19                 | Structural concrete             | Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound                                                        | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG | M-PG1                                  | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | M-PG1                                  | None                                | SBS-SA   | (Optional) SBS-SA | SBS-SA  | -172.5 |                             |
| LWC-20                 | Structural concrete             | Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound and surfaced with Celcore Sanded Bonding Surface (SBS) | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG | M-PG1                                  | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | M-PG1                                  | None                                | SBS-SA   | (Optional) SBS-SA | SBS-SA  | -172.5 |                             |



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

| System No. | Deck<br><a href="#">[Note 1]</a> | Lightweight Concrete<br><a href="#">[Note 14]</a>                                                                                                                                                    | Base Insulation Layer                                                                    |                                         | Coverboard                                      |                                         | Roof Cover <a href="#">[Note 15]</a> |          |                   |         |        | MDP<br><a href="#">[psf]</a> |
|------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------|-----------------------------------------|--------------------------------------|----------|-------------------|---------|--------|------------------------------|
|            |                                  |                                                                                                                                                                                                      | Type                                                                                     | Attach<br><a href="#">[Notes 6,7,8]</a> | Type                                            | Attach<br><a href="#">[Notes 6,7,8]</a> | Primer                               | Base Ply | Ply               | Cap Ply |        |                              |
| LWC-21     | Structural concrete              | Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound                                                        | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG       | M-PG1                                   | Min. 0.25-inch DensDeck                         | M-PG1                                   | FlintPrime QD                        | SBS-SA   | (Optional) SBS-SA | SBS-SA  | -192.5 |                              |
| LWC-22     | Structural concrete              | Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound and surfaced with Celcore Sanded Bonding Surface (SBS) | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG       | M-PG1                                   | Min. 0.25-inch DensDeck                         | M-PG1                                   | FlintPrime QD                        | SBS-SA   | (Optional) SBS-SA | SBS-SA  | -192.5 |                              |
| LWC-23     | Structural concrete              | Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound                                                        | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG       | M-PG1                                   | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | M-PG1                                   | FlintPrime QD                        | SBS-SA   | (Optional) SBS-SA | SBS-SA  | -240.0 |                              |
| LWC-24     | Structural concrete              | Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound and surfaced with Celcore Sanded Bonding Surface (SBS) | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG       | M-PG1                                   | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | M-PG1                                   | FlintPrime QD                        | SBS-SA   | (Optional) SBS-SA | SBS-SA  | -232.5 |                              |
| LWC-25     | Structural concrete              | Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture                                                                                                               | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG       | OB500                                   | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | OB500                                   | None                                 | SBS-SA   | (Optional) SBS-SA | SBS-SA  | -172.5 |                              |
| LWC-26     | Structural concrete              | Min. 200 psi, min. 2-inch Celcore Cellular Concrete                                                                                                                                                  | Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max | Polysat CRA                             | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Polysat CRA                             | None                                 | SBS-SA   | (Optional) SBS-SA | SBS-SA  | -172.5 |                              |
| LWC-27     | Structural concrete              | Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture                                                                                                               | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG       | Polysat CRA                             | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | Polysat CRA                             | None                                 | SBS-SA   | (Optional) SBS-SA | SBS-SA  | -172.5 |                              |
| LWC-28     | Structural concrete              | Min. 200 psi, min. 2-inch Celcore Cellular Concrete                                                                                                                                                  | Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max | Polysat CRA                             | Min. 0.25-inch DensDeck                         | Polysat CRA                             | FlintPrime QD                        | SBS-SA   | (Optional) SBS-SA | SBS-SA  | -180.0 |                              |

HYBRID SYSTEMS:

HYBRID SYSTEMS:



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

| System No.            | Deck<br>( <a href="#">Note 1</a> ) | Lightweight Concrete<br>( <a href="#">Note 14</a> )                                                                                                                                                  | Base Insulation Layer                                                              |                                           | Coverboard                                                                    |                                           | Roof Cover ( <a href="#">Note 15</a> ) |                                 |                                            |                        |        | MDP<br>( <a href="#">psf</a> ) |
|-----------------------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------|---------------------------------|--------------------------------------------|------------------------|--------|--------------------------------|
|                       |                                    |                                                                                                                                                                                                      | Type                                                                               | Attach<br>( <a href="#">Notes 6,7,8</a> ) | Type                                                                          | Attach<br>( <a href="#">Notes 6,7,8</a> ) | Primer                                 | Base Ply                        | Ply                                        | Cap Ply                |        |                                |
| LWC-29                | Structural concrete                | Min. 300 psi, min. 2-inch Celcore MF Cellular concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound                                                        | One or more layer(s), min. 1.5-inch ACFoam II or H-Shield                          | M-OSFA                                    | (Optional) Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board | M-OSFA                                    | None                                   | SBS-SA-H                        | (Optional) SBS-AA, SBS-TA, APP-TA          | SBS-AA, SBS-TA, APP-TA | -90.0  |                                |
| LWC-30                | Structural concrete                | Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound and surfaced with Celcore Sanded Bonding Surface (SBS) | One or more layer(s), min. 1.5-inch ACFoam II or H-Shield                          | M-OSFA                                    | (Optional) Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board | M-OSFA                                    | None                                   | SBS-SA-H                        | (Optional) SBS-AA, SBS-TA, APP-TA          | SBS-AA, SBS-TA, APP-TA | -217.5 |                                |
| LWC-31                | Structural concrete                | Min. 300 psi, min. 2-inch Celcore MF Cellular concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound and surfaced with Celcore Sanded Bonding Surface (SBS) | One or more layer(s), min. 1.5-inch ACFoam II or H-Shield                          | M-PG1                                     | (Optional) Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board | M-PG1                                     | None                                   | SBS-SA-H                        | (Optional) SBS-AA, SBS-TA, APP-TA          | SBS-AA, SBS-TA, APP-TA | -232.5 |                                |
| LWC-32                | Structural concrete                | Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound                                                        | One or more layer(s), min. 1.5-inch ACFoam II or H-Shield                          | M-PG1                                     | (Optional) Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board | M-PG1                                     | None                                   | SBS-SA-H                        | (Optional) SBS-AA, SBS-TA, APP-TA          | SBS-AA, SBS-TA, APP-TA | -240.0 |                                |
| LWC-33                | Structural concrete                | Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture                                                                                                               | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG | OB500                                     | (Optional) Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                   | OB500                                     | None                                   | SBS-SA-H                        | (Optional) SBS-AA, SBS-TA or APP-TA        | SBS-AA or APP-TA       | -215.0 |                                |
| LWC-34                | Structural concrete                | Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture                                                                                                               | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG | Polyset BM or Polyset CRA                 | (Optional) Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                   | Polyset BM or Polyset CRA                 | None                                   | SBS-SA-H                        | (Optional) SBS-AA, SBS-TA or APP-TA        | SBS-AA or APP-TA       | -215.0 |                                |
| CONVENTIONAL SYSTEMS: |                                    |                                                                                                                                                                                                      |                                                                                    |                                           |                                                                               |                                           |                                        |                                 |                                            |                        |        |                                |
| LWC-35                | Structural concrete                | Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound                                                        | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG | M-OSFA                                    | Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Board                 | M-OSFA                                    | None                                   | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA       | -90.0  |                                |



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

| System No. | Deck<br><a href="#">[Note 1]</a> | Lightweight Concrete<br><a href="#">[Note 14]</a>                                                                                                                                                    | Base Insulation Layer                                                                    |                                         | Coverboard                                                         |                                         | Roof Cover <a href="#">[Note 15]</a> |                                 |                                            |                  |        | MDP<br><a href="#">[psf]</a> |
|------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------|-----------------------------------------|--------------------------------------|---------------------------------|--------------------------------------------|------------------|--------|------------------------------|
|            |                                  |                                                                                                                                                                                                      | Type                                                                                     | Attach<br><a href="#">[Notes 6,7,8]</a> | Type                                                               | Attach<br><a href="#">[Notes 6,7,8]</a> | Primer                               | Base Ply                        | Ply                                        | Cap Ply          |        |                              |
| LWC-36     | Structural concrete              | Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound and surfaced with Celcore Sanded Bonding Surface (SBS) | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG       | M-OSFA                                  | Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board | M-OSFA                                  | None                                 | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -217.5 |                              |
| LWC-37     | Structural concrete              | Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound                                                        | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG       | M-PG1                                   | Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board | M-PG1                                   | None                                 | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -240.0 |                              |
| LWC-38     | Structural concrete              | Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture; treated with Celcore PVA Curing Compound and surfaced with Celcore Sanded Bonding Surface (SBS) | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG       | M-PG1                                   | Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board | M-PG1                                   | None                                 | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -232.5 |                              |
| LWC-39     | Structural concrete              | Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture                                                                                                               | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG       | OB500                                   | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                   | OB500                                   | None                                 | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -215.0 |                              |
| LWC-40     | Structural concrete              | Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture                                                                                                               | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG       | Polyset BM                              | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                   | Polyset BM                              | None                                 | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -215.0 |                              |
| LWC-41     | Structural concrete              | Min. 200 psi, min. 2-inch Celcore Cellular Concrete                                                                                                                                                  | Min. 1-inch ENRGV 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max | Polyset CRA                             | Min. 0.5-inch Structodek High Density Fiberboard                   | Polyset CRA                             | None                                 | BP-AA or SBS-AA                 | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -180.0 |                              |
| LWC-42     | Structural concrete              | Min. 200 psi, min. 2-inch Celcore Cellular Concrete                                                                                                                                                  | Min. 1-inch ENRGV 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max | Polyset CRA                             | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board or DensDeck Prime | Polyset CRA                             | None                                 | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -180.0 |                              |
| LWC-43     | Structural concrete              | Min. 300 psi Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture                                                                                                               | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG       | Polyset CRA                             | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                   | Polyset CRA                             | None                                 | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -215.0 |                              |

ELASTIZELL (NOA 18-0208.03):

SELF-ADHERING SYSTEMS:

ELASTIZEL (NOA 18-0208.03):

SELF-ADHERING SYSTEMS:



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

| System No.            | Deck<br><a href="#">[Note 1]</a> | Lightweight Concrete<br><a href="#">[Note 14]</a>           | Base Insulation Layer                                                                    |                                         | Coverboard                                                   |                                         | Roof Cover <a href="#">[Note 15]</a> |                                 |                                            |                  | MDP<br><a href="#">[psf]</a> |
|-----------------------|----------------------------------|-------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------|--------------------------------------------------------------|-----------------------------------------|--------------------------------------|---------------------------------|--------------------------------------------|------------------|------------------------------|
|                       |                                  |                                                             | Type                                                                                     | Attach<br><a href="#">[Notes 5,7,8]</a> | Type                                                         | Attach<br><a href="#">[Notes 5,7,8]</a> | Primer                               | Base Ply                        | Ply                                        | Cap Ply          |                              |
| LWC-44                | Structural concrete              | Min. 200 psi, min. 2-inch Elastizell                        | Min. 1.5-inch ACFoam II or ENRGY 3                                                       | OB500                                   | Min. 0.25-inch DensDeck                                      | OB500                                   | FlintPrime OD                        | SBS-SA                          | (Optional) SBS-SA                          | SBS-SA           | -150.0                       |
| LWC-45                | Structural concrete              | Min. 200 psi, min. 2-inch Elastizell                        | Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield                                             | OB500                                   | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board             | OB500                                   | None                                 | SBS-SA                          | (Optional) SBS-SA                          | SBS-SA           | -172.5                       |
| LWC-46                | Structural concrete              | Min. 200 psi, min. 2-inch Elastizell                        | Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max | Polyset CRA                             | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board             | Polyset CRA                             | None                                 | SBS-SA                          | (Optional) SBS-SA                          | SBS-SA           | -172.5                       |
| LWC-47                | Structural concrete              | Min. 200 psi, min. 2-inch Elastizell                        | Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max | Polyset CRA                             | Min. 0.25-inch DensDeck                                      | Polyset CRA                             | FlintPrime QD                        | SBS-SA                          | (Optional) SBS-SA                          | SBS-SA           | -180.0                       |
| CONVENTIONAL SYSTEMS: |                                  |                                                             |                                                                                          |                                         |                                                              |                                         |                                      |                                 |                                            |                  |                              |
| LWC-48                | Structural concrete              | Min. 200 psi, min. 2-inch Elastizell                        | Min. 1.5-inch ACFoam II                                                                  | OB500                                   | Min. 0.25-inch DensDeck or DensDeck Prime                    | OB500                                   | None                                 | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -150.0                       |
| LWC-49                | Structural concrete              | Min. 200 psi, min. 2-inch Elastizell                        | Min. 2-inch ACFoam II, ENRGY 3 or H-Shield                                               | OB500                                   | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board             | OB500                                   | None                                 | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -225.0                       |
| LWC-50                | Structural concrete              | Min. 200 psi, min. 2-inch Elastizell                        | Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max | Polyset CRA                             | Min. 0.5-inch Structodek High Density Fiberboard             | Polyset CRA                             | None                                 | BP-AA or SBS-AA                 | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -180.0                       |
| LWC-51                | Structural concrete              | Min. 200 psi, min. 2-inch Elastizell                        | Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max | Polyset CRA                             | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board or DensDeck | Polyset CRA                             | None                                 | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -180.0                       |
| COLD APPLIED SYSTEMS: |                                  |                                                             |                                                                                          |                                         |                                                              |                                         |                                      |                                 |                                            |                  |                              |
| LWC-52                | Structural concrete              | Min. 350 psi, min 2-inch Elastizell with Zell-Crete Fibers. | Min. 1.5-inch H-Shield CG                                                                | OB500, 6-inch o.c.                      | (Optional) Additional layers of base insulation              | OB500, 6-inch o.c.                      | None                                 | BP-CA3 or SBS-CA3               | (Optional) BP-CA3 or SBS-CA3               | SBS-CA3          | -60.0                        |



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

| System No. | Deck<br><a href="#">[Note 1]</a> | Lightweight Concrete<br><a href="#">[Note 1a]</a>                                                                                                                                                        | Base Insulation Layer     |                                         | Coverboard                                      |                                         | Roof Cover <a href="#">[Note 15]</a> |                   |                              |         | MDP<br><a href="#">[psf]</a> |
|------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------------------|-------------------------------------------------|-----------------------------------------|--------------------------------------|-------------------|------------------------------|---------|------------------------------|
|            |                                  |                                                                                                                                                                                                          | Type                      | Attach<br><a href="#">[Notes 6,7,8]</a> | Type                                            | Attach<br><a href="#">[Notes 6,7,8]</a> | Primer                               | Base Ply          | Ply                          | Cap Ply |                              |
| LWC-53     | Structural concrete              | Min. 350 psi, min 2-inch Range II Elastizell with Zell-Crete Fibers. When walkable, attach LWC with Trufast #14HD with Trufast 3" Metal Insulation Plates at 1 per 8 ft² through to the structural deck. | Min. 1.5-inch H-Shield CG | OB500, 6-inch o.c.                      | (Optional) Additional layers of base insulation | OB500, 6-inch o.c.                      | None                                 | BP-CA3 or SBS-CA3 | (Optional) BP-CA3 or SBS-CA3 | SBS-CA3 | -67.5                        |

TABLE 4C: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE A-1: LWC TO DECK, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER

| System No.                   | Deck<br><a href="#">[Note 1]</a>     | Lightweight Concrete<br><a href="#">[Note 14]</a>                                                                                  | Vapor Barrier                                                                                                                                                                                                                                                                                           | Base Insulation Layer                                 |                                         | Coverboard                                                            |                                         | Primer                   | Roof Cover <a href="#">[Note 15]</a> |                             |         | MDP <a href="#">[psf]</a> |
|------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------|-----------------------------------------------------------------------|-----------------------------------------|--------------------------|--------------------------------------|-----------------------------|---------|---------------------------|
|                              |                                      |                                                                                                                                    |                                                                                                                                                                                                                                                                                                         | Type                                                  | Attach<br><a href="#">[Notes 6,7,8]</a> | Type                                                                  | Attach<br><a href="#">[Notes 6,7,8]</a> |                          | Base Ply                             | Ply                         | Cap Ply |                           |
| PRE-EXISTENT CELLULAR LWC:   |                                      |                                                                                                                                    |                                                                                                                                                                                                                                                                                                         |                                                       |                                         |                                                                       |                                         |                          |                                      |                             |         |                           |
| SELF-ADHERING SYSTEMS:       |                                      |                                                                                                                                    |                                                                                                                                                                                                                                                                                                         |                                                       |                                         |                                                                       |                                         |                          |                                      |                             |         |                           |
| LWC-54                       | Min. 22 ga., Type BV, Grade 40 steel | Min. 400 psi, Min. 2-inch, pre-existent cellular lightweight concrete, Repair LWC spalls with Celcore SBS (Sanded Bonding Surface) | Flintstastic Ultra Poly SMS Base Sheet applied in HB Fuller "Millennium Hurricane Force Membrane Adhesive HS", ribbons max. 6-inch o.c. 3-inch wide side laps and 6-inch wide end laps are hot-air-welded, torch-welded or sealed with HB Fuller "Millennium Hurricane Force Lap and Flashing Adhesive" | One or more layers, min. 2-inch ACFoam II or H-Shield | M-OSFA or M-PG1                         | (Optional) 0.5-in. DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | M-OSFA or M-PG1                         | FlintPrime QD            | SBS-SA                               | (Optional) SBS-SA           | SBS-SA  | -67.5                     |
| HYBRID SYSTEMS:              |                                      |                                                                                                                                    |                                                                                                                                                                                                                                                                                                         |                                                       |                                         |                                                                       |                                         |                          |                                      |                             |         |                           |
| LWC-55                       | Min. 22 ga., Type BV, Grade 40 steel | Min. 400 psi, Min. 2-inch, pre-existent cellular lightweight concrete, Repair LWC spalls with Celcore SBS (Sanded Bonding Surface) | Flintstastic Ultra Poly SMS Base Sheet applied in HB Fuller "Millennium Hurricane Force Membrane Adhesive HS", ribbons max. 6-inch o.c. 3-inch wide side laps and 6-inch wide end laps are hot-air-welded, torch-welded or sealed with HB Fuller "Millennium Hurricane Force Lap and Flashing Adhesive" | One or more layers, min. 2-inch ACFoam II or H-Shield | M-OSFA or M-PG1                         | 0.5-in. DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board            | M-OSFA or M-PG1                         | (Optional) FlintPrime QD | SBS-SA-H                             | (Optional) SBS-TA or APP-TA | APP-TA  | -67.5                     |
| CONVENTIONAL SYSTEMS:        |                                      |                                                                                                                                    |                                                                                                                                                                                                                                                                                                         |                                                       |                                         |                                                                       |                                         |                          |                                      |                             |         |                           |
| LWC-56                       | Min. 22 ga., Type BV, Grade 40 steel | Min. 400 psi, Min. 2-inch, pre-existent cellular lightweight concrete, Repair LWC spalls with Celcore SBS (Sanded Bonding Surface) | Flintstastic Ultra Poly SMS Base Sheet applied in HB Fuller "Millennium Hurricane Force Membrane Adhesive HS", ribbons max. 6-inch o.c. 3-inch wide side laps and 6-inch wide end laps are hot-air-welded, torch-welded or sealed with HB Fuller "Millennium Hurricane Force Lap and Flashing Adhesive" | One or more layers, min. 2-inch ACFoam II or H-Shield | M-OSFA or M-PG1                         | 0.5-in. DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board            | M-OSFA or M-PG1                         | (Optional) FlintPrime QD | SBS-TA or APP-TA                     | (Optional) SBS-TA or APP-TA | APP-TA  | -67.5                     |
| ELASTIZELL (NOA 18-0208.03): |                                      |                                                                                                                                    |                                                                                                                                                                                                                                                                                                         |                                                       |                                         |                                                                       |                                         |                          |                                      |                             |         |                           |
| SELF-ADHERING SYSTEMS:       |                                      |                                                                                                                                    |                                                                                                                                                                                                                                                                                                         |                                                       |                                         |                                                                       |                                         |                          |                                      |                             |         |                           |



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

| System No.            | Deck <a href="#">[Note 1]</a> | Lightweight Concrete <a href="#">[Note 1a]</a> | Vapor Barrier                                                                                                                                                                                                                                                                                           | Base Insulation Layer                                 |                                      | Coverboard                                                             |                                      | Primer                   | Roof Cover <a href="#">[Note 1c]</a> |                             |         | MDP <a href="#">[psf]</a> |
|-----------------------|-------------------------------|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------|--------------------------------------|--------------------------|--------------------------------------|-----------------------------|---------|---------------------------|
|                       |                               |                                                |                                                                                                                                                                                                                                                                                                         | Type                                                  | Attach <a href="#">[Notes 6,7,8]</a> | Type                                                                   | Attach <a href="#">[Notes 6,7,8]</a> |                          | Base Ply                             | Ply                         | Cap Ply |                           |
| LWC-57                | Structural Concrete           | Min. 420 psi, min. 2-inch Elastizell           | All Weather/Empire Base Sheet or Flintglas MS Cap (inverted) applied in HB Fuller "Millennium Hurricane Force Membrane Adhesive HS", ribbons max. 6-inch o.c., 3-inch wide side laps and 6-inch wide end laps are sealed with HB Fuller "Millennium Hurricane Force Lap and Flashing Adhesive"          | One or more layers, min. 2-inch ACFoam II or H-Shield | M-OSFA or M-PGI                      | (Optional) 0.5-in. DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board | M-OSFA or M-PGI                      | FlintPrime QD            | SBS-SA                               | (Optional) SBS-SA           | SBS-SA  | -67.5                     |
| LWC-58                | Structural Concrete           | Min. 420 psi, min. 2-inch Elastizell           | Flintlastic Ultra Poly SMS Base Sheet applied in HB Fuller "Millennium Hurricane Force Membrane Adhesive HS", ribbons max. 6-inch o.c., 3-inch wide side laps and 6-inch wide end laps are hot-air-welded, torch-welded or sealed with HB Fuller "Millennium Hurricane Force Lap and Flashing Adhesive" | One or more layers, min. 2-inch ACFoam II or H-Shield | M-OSFA or M-PGI                      | (Optional) 0.5-in. DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board | M-OSFA or M-PGI                      | FlintPrime QD            | SBS-SA                               | (Optional) SBS-SA           | SBS-SA  | -67.5                     |
| HYBRID SYSTEMS:       |                               |                                                |                                                                                                                                                                                                                                                                                                         |                                                       |                                      |                                                                        |                                      |                          |                                      |                             |         |                           |
| LWC-59                | Structural Concrete           | Min. 420 psi, min. 2-inch Elastizell           | All Weather/Empire Base Sheet or Flintglas MS Cap (inverted) applied in HB Fuller "Millennium Hurricane Force Membrane Adhesive HS", ribbons max. 6-inch o.c., 3-inch wide side laps and 6-inch wide end laps are sealed with HB Fuller "Millennium Hurricane Force Lap and Flashing Adhesive"          | One or more layers, min. 2-inch ACFoam II or H-Shield | M-OSFA or M-PGI                      | 0.5-in. DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board            | M-OSFA or M-PGI                      | (Optional) FlintPrime QD | SBS-SA-H                             | (Optional) SBS-TA or APP-TA | APP-TA  | -67.5                     |
| LWC-60                | Structural Concrete           | Min. 420 psi, min. 2-inch Elastizell           | Flintlastic Ultra Poly SMS Base Sheet applied in HB Fuller "Millennium Hurricane Force Membrane Adhesive HS", ribbons max. 6-inch o.c., 3-inch wide side laps and 6-inch wide end laps are hot-air-welded, torch-welded or sealed with HB Fuller "Millennium Hurricane Force Lap and Flashing Adhesive" | One or more layers, min. 2-inch ACFoam II or H-Shield | M-OSFA or M-PGI                      | 0.5-in. DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board            | M-OSFA or M-PGI                      | (Optional) FlintPrime QD | SBS-SA-H                             | (Optional) SBS-TA or APP-TA | APP-TA  | -67.5                     |
| CONVENTIONAL SYSTEMS: |                               |                                                |                                                                                                                                                                                                                                                                                                         |                                                       |                                      |                                                                        |                                      |                          |                                      |                             |         |                           |
| LWC-61                | Structural Concrete           | Min. 420 psi, min. 2-inch Elastizell           | All Weather/Empire Base Sheet or Flintglas MS Cap (inverted) applied in HB Fuller "Millennium Hurricane Force Membrane Adhesive HS", ribbons max. 6-inch o.c., 3-inch wide side laps and 6-inch wide end laps are sealed with HB Fuller "Millennium Hurricane Force Lap and Flashing Adhesive"          | One or more layers, min. 2-inch ACFoam II or H-Shield | M-OSFA or M-PGI                      | 0.5-in. DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board            | M-OSFA or M-PGI                      | (Optional) FlintPrime QD | SBS-TA or APP-TA                     | (Optional) SBS-TA or APP-TA | APP-TA  | -67.5                     |
| LWC-62                | Structural Concrete           | Min. 420 psi, min. 2-inch Elastizell           | Flintlastic Ultra Poly SMS Base Sheet applied in HB Fuller "Millennium Hurricane Force Membrane Adhesive HS", ribbons max. 6-inch o.c., 3-inch wide side laps and 6-inch wide end laps are hot-air-welded, torch-welded or sealed with HB Fuller "Millennium Hurricane Force Lap and Flashing Adhesive" | One or more layers, min. 2-inch ACFoam II or H-Shield | M-OSFA or M-PGI                      | 0.5-in. DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board            | M-OSFA or M-PGI                      | (Optional) FlintPrime QD | SBS-TA or APP-TA                     | (Optional) SBS-TA or APP-TA | APP-TA  | -67.5                     |



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

| System No.                                                                                                                                | Deck<br>(Note 1)                                | Lightweight Concrete (Note 1A) |                                                                                                     |                             | Anchor Sheet                                                                                            |                                   | Insulation                                                                                                           |                         |                                                                                                                                                                                             |             | Roof Cover (Note 15) |                                     |                  | MDP [psf] |
|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------|-------------------------------------|------------------|-----------|
|                                                                                                                                           |                                                 | Deck Treatment                 | Type                                                                                                | Surface Treatment           | Type                                                                                                    | Fasten (Note 11)                  | Attach                                                                                                               | Base                    | Top                                                                                                                                                                                         | Attach      | Base Ply             | Ply                                 | Cap Ply          |           |
| Pre-Existent Cellular LWC:                                                                                                                |                                                 |                                |                                                                                                     |                             |                                                                                                         |                                   |                                                                                                                      |                         |                                                                                                                                                                                             |             |                      |                                     |                  |           |
| Spot- or Strip-Mopped Systems:                                                                                                            |                                                 |                                |                                                                                                     |                             |                                                                                                         |                                   |                                                                                                                      |                         |                                                                                                                                                                                             |             |                      |                                     |                  |           |
| LWC-63                                                                                                                                    | Min. 22 ga. steel or structural concrete deck.  | None                           | Min 350 psi, min 2-inch pre-existent cellular LWC                                                   | None                        | Flinglas MS Cap (Inverted)                                                                              | Trufast Twin-Loc Nails            | 9-inch o.c. at the 4-inch side lap and 9-inch o.c. at two, equally spaced, staggered rows in the center of the sheet | Min. 1.5-inch ACfoam II | (Optional) Additional layers base insulation                                                                                                                                                | Hot asphalt | BP-AA4, 18-inch o.c. | (Optional) BP-AA, SBS-AA            | SBS-AA           | -60.0     |
|                                                                                                                                           |                                                 |                                |                                                                                                     |                             |                                                                                                         |                                   |                                                                                                                      |                         |                                                                                                                                                                                             |             |                      |                                     |                  |           |
| Note: To qualify the LWC under this assembly, the subject fastener shall achieve an average withdrawal of 88 lbf when tested per Note 11. |                                                 |                                |                                                                                                     |                             |                                                                                                         |                                   |                                                                                                                      |                         |                                                                                                                                                                                             |             |                      |                                     |                  |           |
| Celcore (FL2037):                                                                                                                         |                                                 |                                |                                                                                                     |                             |                                                                                                         |                                   |                                                                                                                      |                         |                                                                                                                                                                                             |             |                      |                                     |                  |           |
| Self-Adhering Systems:                                                                                                                    |                                                 |                                |                                                                                                     |                             |                                                                                                         |                                   |                                                                                                                      |                         |                                                                                                                                                                                             |             |                      |                                     |                  |           |
| LWC-64                                                                                                                                    | Min. 22 ga., type BV, Grade 40 steel, 6 ft span | Celcore S-1 Deck Preparation   | Min. 470 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | Celcore PVA Curing Compound | All Weather/Empire Base Sheet, Glasbase Base Sheet or Flintlastic Base 20 or Flinglas MS Cap (Inverted) | Trufast FM-90 Base Sheet Fastener | 7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two, equally spaced, staggered center rows               | Min. 1.5" ACfoam II     | (Optional) Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board. Top surface shall be primed with FlintPrime QD.                                                              | hot asphalt | SBA-SA               | (Optional) SBS-SA                   | SBS-SA           | -60.0     |
|                                                                                                                                           |                                                 |                                |                                                                                                     |                             |                                                                                                         |                                   |                                                                                                                      |                         |                                                                                                                                                                                             |             |                      |                                     |                  |           |
| Hybrid Systems:                                                                                                                           |                                                 |                                |                                                                                                     |                             |                                                                                                         |                                   |                                                                                                                      |                         |                                                                                                                                                                                             |             |                      |                                     |                  |           |
| LWC-65                                                                                                                                    | Min. 22 ga., type BV, Grade 40 steel, 6 ft span | Celcore S-1 Deck Preparation   | Min. 470 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | Celcore PVA Curing Compound | All Weather/Empire Base Sheet, Glasbase Base Sheet or Flintlastic Base 20 or Flinglas MS Cap (Inverted) | Trufast FM-90 Base Sheet Fastener | 7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two, equally spaced, staggered center rows               | Min. 1.5" ACfoam II     | (Optional) Min. 0.125-inch STURDY-DEK Asphaltic Cover Board or min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board. Top surface may be optionally primed with FlintPrime QD. | hot asphalt | SBS-SA-H             | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -60.0     |
|                                                                                                                                           |                                                 |                                |                                                                                                     |                             |                                                                                                         |                                   |                                                                                                                      |                         |                                                                                                                                                                                             |             |                      |                                     |                  |           |
| Conventional Systems:                                                                                                                     |                                                 |                                |                                                                                                     |                             |                                                                                                         |                                   |                                                                                                                      |                         |                                                                                                                                                                                             |             |                      |                                     |                  |           |



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TABLE 40: LIGHTWEIGHT CONCRETE OVER STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

| System No.                   | Deck<br><a href="#">(Note 1)</a>                | Lightweight Concrete <a href="#">(Note 14)</a> |                                                                                                     |                             | Anchor Sheet<br><a href="#">(Note 11)</a>                                                                |                                   | Insulation                                                                                             |                     |                                                                                                                                                                                                                                    | Roof Cover <a href="#">(Note 15)</a> |                  |                                     |                  | MDP<br><a href="#">(psf)</a> |
|------------------------------|-------------------------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------|--------------------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------|-------------------------------------|------------------|------------------------------|
|                              |                                                 | Deck Treatment                                 | Type                                                                                                | Surface Treatment           | Type                                                                                                     | Fasten                            | Attach                                                                                                 | Base                | Top                                                                                                                                                                                                                                | Attach                               | Base Ply         | Ply                                 | Cap Ply          |                              |
| LWC-66                       | Min. 22 ga., type BV, Grade 40 steel, 6 ft span | Celcore S-1 Deck Preparation                   | Min. 470 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | Celcore PVA Curing Compound | All Weather/Empire Base Sheet, Glasbase Base Sheet or Flintglas Base 20 or Flintglas MS Cap (Inverted)   | Trufast FM-90 Base Sheet Fastener | 7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two, equally spaced, staggered center rows | Min. 1.5" ACFoam II | Min. 0.125-inch STURDY-DEK Asphaltic Cover Board, min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board, min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or min. 0.75-inch Fesco Board (homogeneous) | hot asphalt                          | BP-AA or SBS-AA  | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA or App-TA | -60.0                        |
| LWC-67                       | Min. 22 ga., type BV, Grade 40 steel, 6 ft span | Celcore S-1 Deck Preparation                   | Min. 470 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | Celcore PVA Curing Compound | All Weather/Empire Base Sheet, Glasbase Base Sheet or Flintglas Base 20 or Flintglas MS Cap (Inverted)   | Trufast FM-90 Base Sheet Fastener | 7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two, equally spaced, staggered center rows | Min. 1.5" ACFoam II | Min. 0.125-inch STURDY-DEK Asphaltic Cover Board or min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board. Top surface may be optionally primed with FlintPrime QD.                                                   | hot asphalt                          | SBS-TA or APP-TA | (Optional) SBS-TA or APP-TA         | APP-TA           | -60.0                        |
| ELASTIZELL (NOA 18-0208.03): |                                                 |                                                |                                                                                                     |                             |                                                                                                          |                                   |                                                                                                        |                     |                                                                                                                                                                                                                                    |                                      |                  |                                     |                  |                              |
| SELF-ADHERING SYSTEMS:       |                                                 |                                                |                                                                                                     |                             |                                                                                                          |                                   |                                                                                                        |                     |                                                                                                                                                                                                                                    |                                      |                  |                                     |                  |                              |
| LWC-68                       | Min. 22 ga., type BV, Grade 40 steel, 6 ft span | None                                           | Min. 490 psi, min. 2-inch Elastzell with Zell-Crete Fibers                                          | None                        | All Weather/Empire Base Sheet, Glasbase Base Sheet or Flintlastic Base 20 or Flintglas MS Cap (Inverted) | Trufast FM-90 Base Sheet Fastener | 7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two, equally spaced, staggered center rows | Min. 1.5" ACFoam II | (Optional) Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board. Top surface shall be primed with FlintPrime QD.                                                                                                     | hot asphalt                          | SBA-SA           | (Optional) SBS-SA                   | SBS-SA           | -67.5                        |
| HYBRID SYSTEMS:              |                                                 |                                                |                                                                                                     |                             |                                                                                                          |                                   |                                                                                                        |                     |                                                                                                                                                                                                                                    |                                      |                  |                                     |                  |                              |
| LWC-69                       | Min. 22 ga., type BV, Grade 40 steel, 6 ft span | None                                           | Min. 490 psi, min. 2-inch Elastzell with Zell-Crete Fibers                                          | None                        | All Weather/Empire Base Sheet, Glasbase Base Sheet or Flintlastic Base 20 or Flintglas MS Cap (Inverted) | Trufast FM-90 Base Sheet Fastener | 7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two, equally spaced, staggered center rows | Min. 1.5" ACFoam II | (Optional) Min. 0.125-inch STURDY-DEK Asphaltic Cover Board or min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board. Top surface may be optionally primed with FlintPrime QD.                                        | hot asphalt                          | SBS-SA-H         | (Optional) SBS-AA, SBS-TA or App-TA | SBS-AA or App-TA | -67.5                        |
| CONVENTIONAL SYSTEMS:        |                                                 |                                                |                                                                                                     |                             |                                                                                                          |                                   |                                                                                                        |                     |                                                                                                                                                                                                                                    |                                      |                  |                                     |                  |                              |



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TABLE 4d: LIGHTWEIGHT CONCRETE OVER STEEL 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]                                   | Lightweight Concrete [Note 14] |                                                             |                   | Anchor Sheet                                                                                             |                                   |                                                                                                              | Insulation              |                                                                                                                                                                                                                                    |             | Roof Cover [Note 15] |                                     |                  | MDP [psf] |
|-------------------------------|-------------------------------------------------|--------------------------------|-------------------------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------|--------------------------------------------------------------------------------------------------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------|-------------------------------------|------------------|-----------|
|                               |                                                 | Deck Treatment                 | Type                                                        | Surface Treatment | Type                                                                                                     | Fasten [Note 11]                  | Attach                                                                                                       | Base                    | Top                                                                                                                                                                                                                                | Attach      | Base Ply             | Ply                                 | Cap Ply          |           |
| LWC-70                        | Min. 22 ga., type BV, Grade 40 steel, 6 ft span | None                           | Min. 490 psi, min. 2-inch Elastizell with Zell-Crete Fibers | None              | All Weather/Empire Base Sheet, Glasbase Base Sheet or Flintlastic Base 20 or Flintglas MS Cap (inverted) | Trufast FM-90 Base Sheet Fastener | 7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two, equally spaced, staggered center rows       | Min. 1.5" ACfoam II     | Min. 0.125-inch STURDY-DEK Asphaltic Cover Board, min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board, min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or min. 0.75-inch Fesco Board (homogeneous) | hot asphalt | BP-AA or SBS-AA      | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -67.5     |
| LWC-71                        | Min. 22 ga., type BV, Grade 40 steel, 6 ft span | None                           | Min. 490 psi, min. 2-inch Elastizell with Zell-Crete Fibers | None              | All Weather/Empire Base Sheet, Glasbase Base Sheet or Flintlastic Base 20 or Flintglas MS Cap (inverted) | Trufast FM-90 Base Sheet Fastener | 7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two, equally spaced, staggered center rows       | Min. 1.5" ACfoam II     | Min. 0.125-inch STURDY-DEK Asphaltic Cover Board or min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board. Top surface may be optionally primed with Flintprime QD.                                                   | hot asphalt | SBS-TA or APP-TA     | (Optional) SBS-TA or APP-TA         | APP-TA           | -67.5     |
| SPOT-ON STRIP-MOPPED SYSTEMS: |                                                 |                                |                                                             |                   |                                                                                                          |                                   |                                                                                                              |                         |                                                                                                                                                                                                                                    |             |                      |                                     |                  |           |
| LWC-72                        | Min. 22 ga. steel or structural concrete deck.  | None                           | Min 350 psi, min 2-inch Elastizell cellular LWC             | None              | Flintglas MS Cap (inverted)                                                                              | Trufast FM-90 Base Ply Fastener   | 7-inch o.c. at the 4-inch side lap and 7-inch o.c. at two, equally staggered rows in the center of the sheet | Min. 1.5-inch ACfoam II | (Optional) Additional layers base insulation                                                                                                                                                                                       | Hot asphalt | BP-AA3, 18-inch Brd  | (Optional) BP-AA, SBS-AA            | SBS-AA           | -37.5*    |



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TABLE 4E: LIGHTWEIGHT CONCRETE DECKS OVER STEEL OR STRUCTURAL CONCRETE DECK – NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE E-2: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

| System No.                                  | Deck<br>( <a href="#">Note 1</a> )                                                                                                                                                               | Lightweight Concrete ( <a href="#">Note 14</a> ) |                                                                                  |                   | Base Sheet                                                              |                                                      | Roof Cover ( <a href="#">Note 15</a> )                                                                                               |          | MDP<br>( <a href="#">psf</a> ) |         |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------------|---------|
|                                             |                                                                                                                                                                                                  | Deck Treatment                                   | LWC                                                                              | Surface Treatment | Type                                                                    | Fasten ( <a href="#">Note 11</a> )                   | Attach                                                                                                                               | Base Ply |                                | Cap Ply |
| PRE-EXISTENT CELLULAR LIGHTWEIGHT CONCRETE: |                                                                                                                                                                                                  |                                                  |                                                                                  |                   |                                                                         |                                                      |                                                                                                                                      |          |                                |         |
| SELF-ADHERING SYSTEMS:                      |                                                                                                                                                                                                  |                                                  |                                                                                  |                   |                                                                         |                                                      |                                                                                                                                      |          |                                |         |
| LWC-73                                      | Min. 22 ga., Type BV, Grade 33 steel, 5 ft span or structural concrete                                                                                                                           | None                                             | Min. 300 psi, min. 2-inch pre-existent cellular lightweight insulating concrete. | None              | Flintlastic SA NailBase                                                 | Trufast Twin Loc-Nail Assembled Fastener (min. 1.8") | 7-inch o.c. at the min. 2-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows, FlintPrime QD at stress plates | SBS-SA   | SBS-SA                         | -60.0   |
|                                             | <i>Note: To qualify the LWC under this assembly, a 1.8-inch Trufast Twin Loc-Nail Assembled Fastener shall achieve an average withdrawal of 73 lbf when tested per <a href="#">Note 11</a>.</i>  |                                                  |                                                                                  |                   |                                                                         |                                                      |                                                                                                                                      |          |                                |         |
| LWC-74                                      | Min. 22 ga., Type BV, Grade 33 steel, 5 ft span or structural concrete                                                                                                                           | None                                             | Min. 300 psi, min. 2-inch pre-existent cellular lightweight insulating concrete. | None              | Flintlastic SA NailBase                                                 | Trufast Twin Loc-Nail Assembled Fastener (min. 1.8") | 9-inch o.c. at the min. 2-inch lap and 9-inch o.c. in two (2), equally spaced, staggered center rows, FlintPrime QD at stress plates | SBS-SA   | SBS-SA                         | -60.0   |
|                                             | <i>Note: To qualify the LWC under this assembly, a 1.8-inch Trufast Twin Loc-Nail Assembled Fastener shall achieve an average withdrawal of 93 lbf when tested per <a href="#">Note 11</a>.</i>  |                                                  |                                                                                  |                   |                                                                         |                                                      |                                                                                                                                      |          |                                |         |
| HYBRID SYSTEMS:                             |                                                                                                                                                                                                  |                                                  |                                                                                  |                   |                                                                         |                                                      |                                                                                                                                      |          |                                |         |
| LWC-75                                      | Min. 22 ga., Type BV, Grade 33 steel, 5 ft span or structural concrete                                                                                                                           | None                                             | Min. 300 psi, min. 2-inch pre-existent cellular lightweight insulating concrete. | None              | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet | Trufast Twin Loc-Nail Assembled Fastener (min. 1.8") | 9-inch o.c. at the 4-inch lap and 9-inch o.c. in two (2), equally spaced, staggered center rows                                      | SBS-SA-H | SBS-AA or APP-TA               | -60.0   |
|                                             | <i>Note: To qualify the LWC under this assembly, a 1.8-inch Trufast Twin Loc-Nail Assembled Fastener shall achieve an average withdrawal of 88 lbf when tested per <a href="#">Note 11</a>.</i>  |                                                  |                                                                                  |                   |                                                                         |                                                      |                                                                                                                                      |          |                                |         |
| LWC-76                                      | Min. 22 ga., Type BV, Grade 33 steel, 5 ft span or structural concrete                                                                                                                           | None                                             | Min. 350 psi, min. 3-inch pre-existent cellular lightweight insulating concrete. | None              | Flintlastic Base 20 or Flintlastic Poly SMS Base Sheet                  | Trufast FM-90 Base Sheet Fastener                    | 7-inch o.c. at the 4-inch lap and 10-inch o.c. in two (2), equally spaced, staggered center rows                                     | SBS-SA-H | SBS-AA or APP-TA               | -67.5   |
|                                             | <i>Note: To qualify the LWC under this assembly, a 1.8-inch Trufast Twin Loc-Nail Assembled Fastener shall achieve an average withdrawal of 97 lbf when tested per <a href="#">Note 11</a>.</i>  |                                                  |                                                                                  |                   |                                                                         |                                                      |                                                                                                                                      |          |                                |         |
| LWC-77                                      | Min. 22 ga., Type BV, Grade 33 steel, 5 ft span or structural concrete                                                                                                                           | None                                             | Min. 300 psi, min. 2-inch pre-existent cellular lightweight insulating concrete. | None              | Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet  | Trufast Twin Loc-Nail Assembled Fastener (min. 1.8") | 9-inch o.c. at the 4-inch lap and 9-inch o.c. in two (2), equally spaced, staggered center rows                                      | SBS-SA-H | SBS-AA or APP-TA               | -75.0   |
|                                             | <i>Note: To qualify the LWC under this assembly, a 1.8-inch Trufast Twin Loc-Nail Assembled Fastener shall achieve an average withdrawal of 110 lbf when tested per <a href="#">Note 11</a>.</i> |                                                  |                                                                                  |                   |                                                                         |                                                      |                                                                                                                                      |          |                                |         |
| CONVENTIONAL SYSTEMS:                       |                                                                                                                                                                                                  |                                                  |                                                                                  |                   |                                                                         |                                                      |                                                                                                                                      |          |                                |         |



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TABLE 4E: LIGHTWEIGHT CONCRETE DECKS OVER STEEL OR STRUCTURAL CONCRETE DECK – NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE E-2: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

| System No.                         | Deck<br><a href="#">[Note 1]</a>                                                                                                                                                           | Lightweight Concrete <a href="#">[Note 14]</a> |                                                                                                     | Base Sheet                  |                                                                                                        |                                                      | Roof Cover <a href="#">[Note 15]</a>                                                                   |                                               | MDP <a href="#">[psf]</a> |         |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------|------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------|---------------------------|---------|
|                                    |                                                                                                                                                                                            | Deck Treatment                                 | LWC                                                                                                 | Surface Treatment           | Type                                                                                                   | Fasten <a href="#">[Note 13]</a>                     | Attach                                                                                                 | Base Ply                                      |                           | Cap Ply |
| LWC-78                             | Min. 22 ga., Type BV, Grade 33 steel, 5 ft span or structural concrete                                                                                                                     | None                                           | Min. 300 psi, min. 2-inch pre-existent cellular lightweight insulating concrete.                    | None                        | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet or Flintglas MS Cap (inverted) | Trufast Twin Loc-Nail Assembled Fastener (min. 1.8") | 9-inch o.c. at the 4-inch lap and 9-inch o.c. in two (2), equally spaced, staggered center rows        | (Optional)<br>BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA          | -60.0   |
| LWC-79                             | Min. 22 ga., Type BV, Grade 33 steel, 5 ft span or structural concrete                                                                                                                     | None                                           | Min. 300 psi, min. 2-inch pre-existent cellular lightweight insulating concrete.                    | None                        | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet or Flintglas MS Cap (inverted) | Trufast Twin Loc-Nail Assembled Fastener (min. 1.8") | 7-inch o.c. at the 4-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows        | BP-AA or SBS-AA                               | SBS-AA or APP-TA          | -67.5   |
|                                    | Note: To qualify the LWC under this assembly, a 1.8-inch Trufast Twin Loc-Nail Assembled Fastener shall achieve an average withdrawal of 88 lbf when tested per <a href="#">Note 11</a> .  |                                                |                                                                                                     |                             |                                                                                                        |                                                      |                                                                                                        |                                               |                           |         |
| LWC-80                             | Min. 22 ga., Type BV, Grade 33 steel, 5 ft span or structural concrete                                                                                                                     | None                                           | Min. 350 psi, min. 3-inch pre-existent cellular lightweight insulating concrete.                    | None                        | Flintlastic Base 20, Flintlastic Poly SMS Base Sheet or Flintglas MS Cap (inverted)                    | Trufast FM-90 Base Sheet Fastener                    | 7-inch o.c. at the 4-inch lap and 10-inch o.c. in two (2), equally spaced, staggered center rows       | BP-AA, SBS-AA, SBS-TA or APP-TA               | SBS-AA or APP-TA          | -67.5   |
|                                    | Note: To qualify the LWC under this assembly, a 1.8-inch Trufast Twin Loc-Nail Assembled Fastener shall achieve an average withdrawal of 97 lbf when tested per <a href="#">Note 11</a> .  |                                                |                                                                                                     |                             |                                                                                                        |                                                      |                                                                                                        |                                               |                           |         |
| LWC-81                             | Min. 22 ga., Type BV, Grade 33 steel, 5 ft span or structural concrete                                                                                                                     | None                                           | Min. 300 psi, min. 2-inch pre-existent cellular lightweight insulating concrete.                    | None                        | Flintlastic Poly SMS Base Sheet, Flintlastic Ultra Poly SMS Base Sheet                                 | Trufast Twin Loc-Nail Assembled Fastener (min. 1.8") | 9-inch o.c. at the 4-inch lap and 9-inch o.c. in two (2), equally spaced, staggered center rows        | BP-AA, SBS-AA, SBS-TA or APP-TA               | SBS-AA or APP-TA          | -75.0   |
|                                    | Note: To qualify the LWC under this assembly, a 1.8-inch Trufast Twin Loc-Nail Assembled Fastener shall achieve an average withdrawal of 110 lbf when tested per <a href="#">Note 11</a> . |                                                |                                                                                                     |                             |                                                                                                        |                                                      |                                                                                                        |                                               |                           |         |
| Celcore <a href="#">[FL2037]</a> : |                                                                                                                                                                                            |                                                |                                                                                                     |                             |                                                                                                        |                                                      |                                                                                                        |                                               |                           |         |
| SELF-ADHERING SYSTEMS:             |                                                                                                                                                                                            |                                                |                                                                                                     |                             |                                                                                                        |                                                      |                                                                                                        |                                               |                           |         |
| LWC-82                             | Min. 22 ga., type BV, Grade 40 steel, 6 ft span                                                                                                                                            | Celcore S-1 Deck Preparation                   | Min. 470 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture | Celcore PVA Curing Compound | Flintlastic SA Nailbase                                                                                | Trufast FM-90 Base Sheet Fastener                    | 7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two, equally spaced, staggered center rows | SBS-SA                                        | SBS-SA                    | -45.0   |
| HYBRID SYSTEMS:                    |                                                                                                                                                                                            |                                                |                                                                                                     |                             |                                                                                                        |                                                      |                                                                                                        |                                               |                           |         |



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TABLE 4E: LIGHTWEIGHT CONCRETE DECKS OVER STEEL OR STRUCTURAL CONCRETE DECK – NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE E-2: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

| System No.                   | Deck [Note 1]                                                          | Lightweight Concrete [Note 14] |                                                                                                      |                             | Type                                                                                                                                    | Fasten [Note 11]                  | Attach                                                                                                 | Roof Cover [Note 15]                       |                  | MDP [psf] |
|------------------------------|------------------------------------------------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------|------------------|-----------|
|                              |                                                                        | Deck Treatment                 | LWC                                                                                                  | Surface Treatment           |                                                                                                                                         |                                   |                                                                                                        | Base Ply                                   | Cap Ply          |           |
| LWC-83                       | Min. 22 ga., type BV, Grade 40 steel, 6 ft span                        | Celcore S-1 Deck Preparation   | Min. 470 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture  | Celcore PVA Curing Compound | All Weather/Empire Base Sheet, Glasbase Base Sheet or Flintlastic Base 20                                                               | Trufast FM-90 Base Sheet Fastener | 7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two, equally spaced, staggered center rows | SBS-SA-H                                   | SBS-AA or APP-TA | -45.0     |
| LWC-84                       | Min. 22 ga., type BV, Grade 40 steel, 6 ft span                        | Celcore S-1 Deck Preparation   | Min. 470 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture  | Celcore PVA Curing Compound | Flintglas MS Cap (inverted) primed with FlintPrime QD                                                                                   | Trufast FM-90 Base Sheet Fastener | 7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two, equally spaced, staggered center rows | SBS-SA-H                                   | SBS-AA or APP-TA | -45.0     |
| CONVENTIONAL SYSTEMS:        |                                                                        |                                |                                                                                                      |                             |                                                                                                                                         |                                   |                                                                                                        |                                            |                  |           |
| LWC-85                       | Min. 22 ga., type BV, Grade 40 steel, 6 ft span                        | Celcore S-1 Deck Preparation   | Min. 470 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture  | Celcore PVA Curing Compound | All Weather/Empire Base Sheet, Glasbase Base Sheet or Flintlastic Base 20 or Flintglas MS Cap (inverted)                                | Trufast FM-90 Base Sheet Fastener | 7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two, equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -45.0     |
| LWC-86                       | Min. 22 ga., type B steel at max. 5 ft spans structural concrete       | None                           | Min. 300 psi, min. 2-inch Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. | Celcore PVA Curing Compound | All Weather/Empire Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS Base Sheet                                                     | Trufast FM-90 Base Sheet Fastener | 9-inch o.c. at 4-inch laps and 12-inch o.c. in two (2), equally spaced, staggered center rows          | (Optional) BP-AA, SBS-AA or SBS-TA         | SBS-AA           | -60.0     |
| LWC-87                       | Min. 22 ga., type BV, Grade 33 steel, 5 ft span or structural concrete | None                           | Min. 300 psi, min. 2-inch Celcore Cellular Concrete.                                                 | Celcore PVA Curing Compound | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet, Flintlastic Poly SMS Base Sheet or Flintglas MS Cap (inverted) | Trufast FM-90 Base Sheet Fastener | 7-inch o.c. at the 3-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows        | BP-AA or SBS-AA                            | SBS-AA or APP-TA | -75.0     |
| CONCRETE [FL5584 & FL10500]: |                                                                        |                                |                                                                                                      |                             |                                                                                                                                         |                                   |                                                                                                        |                                            |                  |           |
| CONVENTIONAL SYSTEMS:        |                                                                        |                                |                                                                                                      |                             |                                                                                                                                         |                                   |                                                                                                        |                                            |                  |           |
| LWC-88                       | Min. 22 ga., type BV, Grade 80 steel, 5 ft span or structural concrete | Concretel Bonding Agent        | Min. 300 psi, min. 2% inch Concretel Concrete.                                                       | Concretel Curing Compound   | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet, Flintlastic Poly SMS Base Sheet or Flintglas MS Cap (inverted) | OMG CR Base Ply Fastener (1.7)    | 7-inch o.c. at the 3-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows        | (Optional) BP-AA or SBS-AA                 | SBS-AA or APP-TA | -52.5     |
| ELASTIZEL (NOA 18-0208.03):  |                                                                        |                                |                                                                                                      |                             |                                                                                                                                         |                                   |                                                                                                        |                                            |                  |           |
| SELF-ADHERING SYSTEMS:       |                                                                        |                                |                                                                                                      |                             |                                                                                                                                         |                                   |                                                                                                        |                                            |                  |           |



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TABLE 4E: LIGHTWEIGHT CONCRETE DECKS OVER STEEL OR STRUCTURAL CONCRETE DECK – NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE E-2: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

| System No.            | Deck<br><a href="#">[Note 1]</a>                                       | Lightweight Concrete <a href="#">[Note 14]</a> |                                                             | Base Sheet        |                                                                                                                                         |                                                                                          | Roof Cover <a href="#">[Note 15]</a>                                                                   |                                            | MDP <a href="#">[psf]</a> |         |
|-----------------------|------------------------------------------------------------------------|------------------------------------------------|-------------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------|---------|
|                       |                                                                        | Deck Treatment                                 | LWC                                                         | Surface Treatment | Type                                                                                                                                    | Fasten <a href="#">[Note 11]</a>                                                         | Attach                                                                                                 | Base Ply                                   |                           | Cap Ply |
| LWC-89                | Min. 22 ga., type BV, Grade 40 steel, 6 ft span                        | None                                           | Min. 490 psi, min. 2-inch Elastizell with Zell-Crete Fibers | None              | Flintlastic SA NailBase                                                                                                                 | Trufast FM-90 Base Sheet Fastener                                                        | 7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two, equally spaced, staggered center rows | SBS-SA                                     | SBS-SA                    | -45.0   |
| HYBRID SYSTEMS:       |                                                                        |                                                |                                                             |                   |                                                                                                                                         |                                                                                          |                                                                                                        |                                            |                           |         |
| LWC-90                | Min. 26 ga. steel at max 5 ft spans or structural concrete             | None                                           | Min. 200 psi, min 2-inch Elastizell.                        | None              | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet or Flintlastic Poly SMS Base Sheet                              | Trufast FM-90 Base Sheet Fastener or Trufast Twin Loc-Nail Assembled Fastener (1.8 inch) | 7½-inch o.c. at the 4-inch lap and 7½-inch o.c. in two (2), equally spaced, staggered center rows      | SBS-SA-H                                   | SBS-AA or APP-TA          | -30.0   |
| LWC-91                | Min. 22 ga., Type BV, Grade 33 steel, 5 ft span or structural concrete | None                                           | Min. 200 psi, min 2-inch Elastizell.                        | None              | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet or Flintlastic Poly SMS Base Sheet                              | Trufast FM-90 Base Sheet Fastener or Trufast Twin Loc-Nail Assembled Fastener (1.8 inch) | 7-inch o.c. at the 4-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows        | SBS-SA-H                                   | SBS-AA or APP-TA          | -45.0   |
| LWC-92                | Min. 22 ga., type BV, Grade 40 steel, 6 ft span                        | None                                           | Min. 490 psi, min. 2-inch Elastizell with Zell-Crete Fibers | None              | All Weather/Empire Base Sheet, Glasbase Base Sheet or Flintlastic Base 20                                                               | Trufast FM-90 Base Sheet Fastener                                                        | 7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two, equally spaced, staggered center rows | SBS-SA-H                                   | SBS-AA or APP-TA          | -45.0   |
| LWC-93                | Min. 22 ga., type BV, Grade 40 steel, 6 ft span                        | None                                           | Min. 490 psi, min. 2-inch Elastizell with Zell-Crete Fibers | None              | Flintglas MS Cap (inverted) primed with FlintPrime QD                                                                                   | Trufast FM-90 Base Sheet Fastener                                                        | 7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two, equally spaced, staggered center rows | SBS-SA-H                                   | SBS-AA or APP-TA          | -45.0   |
| CONVENTIONAL SYSTEMS: |                                                                        |                                                |                                                             |                   |                                                                                                                                         |                                                                                          |                                                                                                        |                                            |                           |         |
| LWC-94                | Min. 26 ga. steel at max 5 ft spans or structural concrete             | None                                           | Min. 200 psi, min 2-inch Elastizell.                        | None              | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet, Flintlastic Poly SMS Base Sheet or Flintglas MS Cap (inverted) | Trufast FM-90 Base Sheet Fastener or Trufast Twin Loc-Nail Assembled Fastener (1.8 inch) | 7½-inch o.c. at the 4-inch lap and 7½-inch o.c. in two (2), equally spaced, staggered center rows      | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA          | -30.0   |
| LWC-95                | Min. 26 ga. steel at max 5 ft spans or structural concrete             | None                                           | Min. 200 psi, min 2-inch Elastizell.                        | None              | Flintlastic APP Base T                                                                                                                  | Trufast FM-90 Base Sheet Fastener                                                        | 7½-inch o.c. at the 4-inch lap and 7½-inch o.c. in two (2), equally spaced, staggered center rows      | (Optional) APP-TA                          | APP-TA                    | -30.0   |
| LWC-96                | Min. 22 ga., type BV, Grade 40 steel, 6 ft span                        | None                                           | Min. 490 psi, min. 2-inch Elastizell with Zell-Crete Fibers | None              | All Weather/Empire Base Sheet, Glasbase Base Sheet or Flintlastic Base 20 or Flintglas MS Cap (inverted)                                | Trufast FM-90 Base Sheet Fastener                                                        | 7-inch o.c. at the min. 4-inch side laps and 7-inch o.c. at two, equally spaced, staggered center rows | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA          | -45.0   |



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TABLE A6: LIGHTWEIGHT CONCRETE DECKS OVER STEEL OR STRUCTURAL CONCRETE DECK – NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE E-2: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

| System No.            | Deck<br>(Note 1)                                                       | Lightweight Concrete (Note 1A) |                                                                      |                   | Base Sheet                                                                                                                              |                                                                                          |                                                                                                 | Roof Cover (Note 15)                       |                  | MDP<br>(psf) |
|-----------------------|------------------------------------------------------------------------|--------------------------------|----------------------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------|------------------|--------------|
|                       |                                                                        | Deck Treatment                 | LWC                                                                  | Surface Treatment | Type                                                                                                                                    | Fasten (Note 11)                                                                         | Attach                                                                                          | Base Ply                                   | Cap Ply          |              |
| LWC-97                | Min. 22 ga., Type BV, Grade 33 steel, 5 ft span or structural concrete | None                           | Min. 200 psi, min 2-inch Elastizell.                                 | None              | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet, Flintlastic Poly SMS Base Sheet or Flintglas MS Cap (inverted) | Trufast FM-90 Base Sheet Fastener or Trufast Twin Loc-Nail Assembled Fastener (1.8 inch) | 7-inch o.c. at the 4-inch lap 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 or APP-TA | -45.0        |
| LWC-98                | Min. 22 ga., Type BV, Grade 33 steel, 5 ft span or structural concrete | None                           | Min. 200 psi, min 2-inch Elastizell.                                 | None              | Flintlastic APP Base T                                                                                                                  | Trufast FM-90 Base Sheet Fastener                                                        | 7-inch o.c. at the 4-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows | (Optional) APP-TA                          | APP-TA           | -45.0        |
| COLD APPLIED SYSTEMS: |                                                                        |                                |                                                                      |                   |                                                                                                                                         |                                                                                          |                                                                                                 |                                            |                  |              |
| LWC-99                | Min. 22 ga., Type BV, Grade 33 steel, 5 ft span or structural concrete | None                           | Min. 350 psi, min 2-inch Range II Elastizell with Zell-Crete Fibers. | None              | Flintlastic Base 20, Flintlastic Poly SMS Base Sheet                                                                                    | Trufast FM-90 Base Sheet Fastener                                                        | 7-inch o.c. at the 4-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows | (Optional) BP-CA2 or SBS-CA2               | SBS-CA2          | -45.0        |
| LWC-100               | Min. 22 ga., Type BV, Grade 33 steel, 5 ft span                        | None                           | Min. 350 psi, min 2-inch Range II Elastizell with Zell-Crete Fibers. | None              | Glasbase Base Sheet, Flintlastic Poly SMS Base Sheet                                                                                    | Trufast FM-90 Base Sheet Fastener                                                        | 7-inch o.c. at the 4-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows | (Optional) BP-CA3 or SBS-CA3               | SBS-CA3          | -52.5        |
| LWC-101               | Structural concrete                                                    | None                           | Min. 350 psi, min 2-inch Range II Elastizell with Zell-Crete Fibers. | None              | Glasbase Base Sheet, Flintlastic Poly SMS Base Sheet                                                                                    | Trufast FM-90 Base Sheet Fastener                                                        | 7-inch o.c. at the 4-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows | (Optional) BP-CA3 or SBS-CA3               | SBS-CA3          | -60.0        |
| MEARLCRETE (FL13492): |                                                                        |                                |                                                                      |                   |                                                                                                                                         |                                                                                          |                                                                                                 |                                            |                  |              |
| CONVENTIONAL SYSTEMS: |                                                                        |                                |                                                                      |                   |                                                                                                                                         |                                                                                          |                                                                                                 |                                            |                  |              |
| LWC-102               | Min. 22 ga., Type BV, Grade 33 steel, 5 ft span or structural concrete | None                           | Min. 250 psi, min 2-inch Mearlcrete.                                 | None              | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet, Flintlastic Poly SMS Base Sheet or Flintglas MS Cap (inverted) | OMG CR Base Ply Fastener (1.7)                                                           | 7-inch o.c. at the 4-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows | (Optional) BP-AA or SBS-AA                 | SBS-AA or APP-TA | -45.0        |
| LWC-103               | Min. 22 ga., Type BV, Grade 33 steel, 5 ft span or structural concrete | None                           | Min. 250 psi, min 2-inch Mearlcrete.                                 | None              | Flintlastic Poly SMS Base Sheet                                                                                                         | OMG CR Base Ply Fastener (1.7)                                                           | 7-inch o.c. at the 4-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows | (Optional) BP-AA or SBS-AA                 | SBS-AA or APP-TA | -52.5        |



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TABLE 4E: LIGHTWEIGHT CONCRETE DECKS OVER STEEL OR STRUCTURAL CONCRETE DECK – NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE E-2: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

| System No. | Deck <a href="#">[Note 1]</a>                                          | Lightweight Concrete <a href="#">[Note 14]</a> |                                      | Base Sheet        |                                                                                                                                         | Roof Cover <a href="#">[Note 15]</a> |                                                                                                 | MDP <a href="#">[psf]</a>                               |
|------------|------------------------------------------------------------------------|------------------------------------------------|--------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------|
|            |                                                                        | Deck Treatment                                 | LWC                                  | Surface Treatment | Type                                                                                                                                    | Fasten <a href="#">[Note 11]</a>     | Attach                                                                                          |                                                         |
| LWC-104    | Min. 22 ga., Type BV, Grade 33 steel, 5 ft span or structural concrete | None                                           | Min. 300 psi, min 2-inch Mearlcrete. | None              | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet, Flintlastic Poly SMS Base Sheet or Flintglas M5 Cap (Inverted) | OMG CR Base Ply Fastener (1.7)       | 7-inch o.c. at the 4-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows | (Optional) BP-AA or SBS-AA<br>SBS-AA or APP-TA<br>-52.5 |

TABLE 4F: LIGHTWEIGHT CONCRETE DECKS – REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE E: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

| System No.                 | Deck <a href="#">[Note 1]</a>        | Lightweight Concrete <a href="#">[Note 14]</a>                                                                                                                                                                                                                                                                                                 |                                                                                    | Base Sheet                            |                                                                                                 | Roof Cover <a href="#">[Note 15]</a>                           |                             | MDP <a href="#">[psf]</a> |          |
|----------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-----------------------------|---------------------------|----------|
|                            |                                      | Type                                                                                                                                                                                                                                                                                                                                           | Surfacing                                                                          | Base                                  | Fasten <a href="#">[Note 11]</a>                                                                | Spacing                                                        | Base Ply                    |                           | Cap Ply  |
| PRE-EXISTENT CELLULAR LWC: |                                      |                                                                                                                                                                                                                                                                                                                                                |                                                                                    |                                       |                                                                                                 |                                                                |                             |                           |          |
| LWC-105                    | Min. 22 ga., Type BV, Grade 40 steel | Min. 470 psi, Min. 2-inch, pre-existent cellular lightweight concrete                                                                                                                                                                                                                                                                          | For reroof (tear-off), repair LWC spalls with Celcore SBS (Sanded Bonding Surface) | Flintlastic Ultra Poly SMS Base Sheet | TruFast Versa Fastener (min. 2.25") & Plates, two (2) screws per plate at 180" from each other* | 9-inch o.c. within the min. 5-inch wide, heat-welded side laps | (Optional) SBS-TA or APP-TA | APP-TA                    | -75 G.C. |
|                            | Note:                                | *Field withdrawal resistance testing <a href="#">[Note 11]</a> shall yield minimum 322 lbf. Additional Versa-Fast Fasteners within each Versa-Fast Plate may be utilized to produce minimum withdrawal resistance. For recover installations, screws shall be of sufficient length for minimum 2.25" embedment into the existing LWC assembly. |                                                                                    |                                       |                                                                                                 |                                                                |                             |                           |          |

TABLE 4G: LIGHTWEIGHT CONCRETE DECKS – REROOF (TEAR-OFF)  
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER

| System No.                 | Deck <a href="#">[Note 1]</a>              | Lightweight Concrete <a href="#">[Note 14]</a>                                  |                                                                      | Roof Cover <a href="#">[Note 15]</a>                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                             | MDP <a href="#">[psf]</a> |
|----------------------------|--------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
|                            |                                            | Type                                                                            | Surfacing                                                            | Base Ply                                                                                                                                                                                                                                                                                                           | Cap Ply                                                                                                                                                                                                                                                                                                                                                                                                                     |                           |
| PRE-EXISTENT CELLULAR LWC: |                                            |                                                                                 |                                                                      |                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                             |                           |
| LWC-106                    | Min. 22 ga.,<br>Type BV,<br>Grade 40 steel | Min. 400 psi, Min. 2-<br>inch, pre-existent<br>cellular lightweight<br>concrete | Repair LWC spalls<br>with Celcore SBS<br>(Sanded Bonding<br>Surface) | Flintlastic Ultra Poly SMS Base Sheet applied in HB Fuller<br>"Millennium Hurricane Force Membrane Adhesive HS",<br>ribbons max. 6-inch o.c. 3-inch wide side laps and 6-inch wide<br>end laps are hot-air-welded, torch-welded or sealed with HB<br>Fuller "Millennium Hurricane Force Lap and Flashing Adhesive" | SBS-CA1 or SBS-CA4                                                                                                                                                                                                                                                                                                                                                                                                          | -75.0                     |
| LWC-107                    | Min. 22 ga.,<br>Type BV,<br>Grade 40 steel | Min. 400 psi, Min. 2-<br>inch, pre-existent<br>cellular lightweight<br>concrete | Repair LWC spalls<br>with Celcore SBS<br>(Sanded Bonding<br>Surface) | Flintlastic Ultra Poly SMS Base Sheet applied in HB Fuller<br>"Millennium Hurricane Force Membrane Adhesive HS",<br>ribbons max. 6-inch o.c. 3-inch wide side laps and 6-inch wide<br>end laps are hot-air-welded, torch-welded or sealed with HB<br>Fuller "Millennium Hurricane Force Lap and Flashing Adhesive" | Flintlastic FR-P, Flintlastic FR-P CoolStar, Flintlastic Premium FR-P,<br>Flintlastic Premium FR-P CoolStar, or Flintlastic GMS, applied in HB<br>Fuller "Millennium Hurricane Force Membrane Adhesive HS",<br>continuous ribbons maximum 6-inch o.c. 3-inch wide side laps and<br>6-inch wide end laps are hot-air-welded, torch-welded or sealed with<br>HB Fuller "Millennium Hurricane Force Lap and Flashing Adhesive" | -97.5                     |



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

| System No.             | Deck<br>(Notes 1, Note 12)     | Base Insulation Layer                                                                    |                           | Top Insulation Layer                                                                                                          |                           | Primer        | Roof Cover (Note 15)            |                                            |                  | MDP<br>(psf) |
|------------------------|--------------------------------|------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------|---------------------------------|--------------------------------------------|------------------|--------------|
|                        |                                | Type                                                                                     | Attach<br>(Notes 6,7,8)   | Type                                                                                                                          | Attach<br>(Notes 6,7,8)   |               | Base Ply                        | Ply                                        | Cap Ply          |              |
| Self-Adhering Systems: |                                |                                                                                          |                           |                                                                                                                               |                           |               |                                 |                                            |                  |              |
| CWF-1.                 | Tectum                         | Min. 1.5-inch ACfoam II or H-Shield                                                      | M-OSFA                    | (Optional) Additional layer(s) of base insulation and/or min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board.  | M-OSFA                    | FlintPrime QD | SBS-SA                          | (Optional) SBS-SA                          | SBS-SA           | -60.0        |
| CWF-2.                 | Tectum                         | Min. 1.5-inch ACfoam II or H-Shield                                                      | M-OSFA, 6-inch o.c.       | (Optional) Additional layer(s) of base insulation and/or min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board.  | M-OSFA, 6-inch o.c.       | FlintPrime QD | SBS-SA                          | (Optional) SBS-SA                          | SBS-SA           | -90.0        |
| CWF-3.                 | Existing Tectum (re-roof only) | Min. 1.5-inch ACfoam II, ENRGY 3 or Multi-Max FA3                                        | OB500                     | Min. 0.25-inch DensDeck                                                                                                       | OB500                     | FlintPrime QD | SBS-SA                          | (Optional) SBS-SA                          | SBS-SA           | -45.0*       |
| CWF-4.                 | Existing Tectum (re-roof only) | Min. 1.5-inch ACfoam II, ENRGY 3 or Multi-Max FA3                                        | OB500                     | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                                                                              | OB500                     | None          | SBS-SA                          | (Optional) SBS-SA                          | SBS-SA           | -45.0*       |
| CWF-5.                 | Tectum                         | Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max | Polysat BM or Polysat CRA | Min. 0.25-inch DensDeck                                                                                                       | Polysat BM or Polysat CRA | FlintPrime QD | SBS-SA                          | (Optional) SBS-SA                          | SBS-SA           | -52.5        |
| CWF-6.                 | Tectum                         | Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max | Polysat BM or Polysat CRA | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                                                                              | Polysat BM or Polysat CRA | None          | SBS-SA                          | (Optional) SBS-SA                          | SBS-SA           | -52.5        |
| Hybrid Systems:        |                                |                                                                                          |                           |                                                                                                                               |                           |               |                                 |                                            |                  |              |
| CWF-7.                 | Tectum                         | Min. 1.5-inch ACfoam II or H-Shield                                                      | M-OSFA                    | (Optional) Additional layer(s) of base insulation and/or min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board.  | M-OSFA                    | None          | SBS-SA-H                        | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -60.0        |
| CWF-8.                 | Tectum                         | Min. 1.5-inch ACfoam II or H-Shield                                                      | M-OSFA, 6-inch o.c.       | (Optional) Additional layer(s) of base insulation and/or min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board.  | M-OSFA, 6-inch o.c.       | None          | SBS-SA-H                        | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -90.0        |
| Conventional Systems:  |                                |                                                                                          |                           |                                                                                                                               |                           |               |                                 |                                            |                  |              |
| CWF-9.                 | Tectum                         | Min. 1.5-inch ACfoam II or H-Shield                                                      | M-OSFA                    | Optional additional layers of base insulation, followed by min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board | M-OSFA                    | None          | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -60.0        |



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

| System No. | Deck<br>(Notes 3, Note 12)     | Base Insulation Layer                                                                                               |                             | Top Insulation Layer                                                                                                          |                             |      | Primer | Roof Cover (Note 15)            |                                            |                  | MDP (psf) |
|------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------|--------|---------------------------------|--------------------------------------------|------------------|-----------|
|            |                                | Type                                                                                                                | Attach<br>(Notes 6,7,8)     | Type                                                                                                                          | Attach<br>(Notes 6,7,8)     | None |        | Base Ply                        | Ply                                        | Cap Ply          |           |
| CWF-10.    | Tectum                         | Min. 1.5-inch ACFoam II or H-Shield                                                                                 | M-OsFA, 6-inch o.c.         | Optional additional layers of base insulation, followed by min. 0.25-inch DensDeck Prime or SECURock Gypsum-Fiber Roof Board. | M-OsFA, 6-inch o.c.         | None |        | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -90.0     |
| CWF-11.    | Existing Tectum (re-roof only) | Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3                                                                   | OB500                       | Min. 0.5-inch Structodek High Density Fiberboard                                                                              | OB500                       | None |        | BP-AA or SBS-AA                 | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -45.0*    |
| CWF-12.    | Existing Tectum (re-roof only) | Min. 1.5-inch ENRGY 3, H-Shield, ENRGY 3 or Multi-Max FA3                                                           | OB500                       | Min. 0.25-inch SECURock Gypsum-Fiber Roof Board or DensDeck or DensDeck Prime                                                 | OB500                       | None |        | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -45.0*    |
| CWF-13.    | Tectum                         | Min. 1-inch ENRGY 3, H-Shield, or H-Shield CG, min. 1.3-inch ACFoam III or min. 1.5-inch Multi-Max FA3 or Ultra-Max | Polysset BM or Polysset CRA | Min. 0.5-inch Structodek High Density Fiberboard                                                                              | Polysset CRA                | None |        | BP-AA or SBS-AA                 | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -52.5     |
| CWF-14.    | Tectum                         | Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max                            | Polysset BM or Polysset CRA | Min. 0.25-inch SECURock Gypsum-Fiber Roof Board or DensDeck or DensDeck Prime                                                 | Polysset BM or Polysset CRA | None |        | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -52.5     |

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

| System No.            | Deck<br>(Note 1) | Anchor Sheet                                                                                           |                                                               |                                                                                                  | Base Insulation                                   |                         | Top Insulation                                             |                         | Roof Cover (Note 15) |                                     |                  |       | MDP<br>(psf) |
|-----------------------|------------------|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------|-------------------------|------------------------------------------------------------|-------------------------|----------------------|-------------------------------------|------------------|-------|--------------|
|                       |                  | Type                                                                                                   | Fasten<br>(Note 11)                                           | Attach                                                                                           | Type                                              | Attach<br>(Notes 6,7,8) | Type                                                       | Attach<br>(Notes 6,7,8) | Base Ply             | Ply                                 | Cap Ply          |       |              |
| HYBRID SYSTEMS:       |                  |                                                                                                        |                                                               |                                                                                                  |                                                   |                         |                                                            |                         |                      |                                     |                  |       |              |
| CWF-15.               | Tectum           | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet or Flintglas MS Cap (inverted) | Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 80 lbf) | 6-inch o.c. at the 4-inch lap and 10-inch o.c. in two (2), equally spaced, staggered center rows | Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3 | hot asphalt             | (Optional) Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | hot asphalt             | SBS-SA-H             | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -60.0 |              |
| CWF-16.               | Tectum           | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet or Flintglas MS Cap (inverted) | Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 69 lbf) | 7-inch o.c. at the 4-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows  | Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3 | hot asphalt             | (Optional) Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board | hot asphalt             | SBS-SA-H             | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -60.0 |              |
| CONVENTIONAL SYSTEMS: |                  |                                                                                                        |                                                               |                                                                                                  |                                                   |                         |                                                            |                         |                      |                                     |                  |       |              |



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

| System No. | Deck<br>(Note 1)   | Anchor Sheet                                                                                                       |                                                                             |                                                                                                               | Base Insulation                                            |                         | Top Insulation                                                                                          |                         | Roof Cover (Note 15) |                                  |                     | MDP<br>(psf) |
|------------|--------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------|-------------------------|----------------------|----------------------------------|---------------------|--------------|
|            |                    | Type                                                                                                               | Fasten<br>(Note 11)                                                         | Attach                                                                                                        | Type                                                       | Attach<br>(Notes 5,7,8) | Type                                                                                                    | Attach<br>(Notes 5,7,8) | Base Ply             | Ply                              | Cap Ply             |              |
| CWF-17.    | Existing<br>Tectum | Glasbase Base Sheet,<br>Flintlastic Base 20, All<br>Weather/Empire Base<br>Sheet or Flintglas MS<br>Cap (Inverted) | Trufast Twin<br>Loc-Nail<br>Assembled<br>Fastener (Field<br>W/D > 80 lb/ft) | 6-inch o.c. at the 4-<br>inch lap and 10-inch<br>o.c. in two (2), equally<br>spaced, staggered<br>center rows | Min. 1.5-inch<br>ACFoam II, ENRGV<br>3 or Multi-Max<br>FA3 | hot<br>asphalt          | Min. 0.75-inch<br>Fescoboard<br>(homogeneous) or min.<br>0.5-inch Structodek<br>High Density Fiberboard | hot<br>asphalt          | BP-AA or<br>SBS-AA   | (Optional)<br>BP-AA or<br>SBS-AA | SBS-AA or<br>APP-TA | -60.0        |
| CWF-18.    | Existing<br>Tectum | Glasbase Base Sheet,<br>Flintlastic Base 20, All<br>Weather/Empire Base<br>Sheet or Flintglas MS<br>Cap (Inverted) | Trufast Twin<br>Loc-Nail<br>Assembled<br>Fastener (Field<br>W/D > 69 lb/ft) | 7-inch o.c. at the 4-<br>inch lap and 7-inch<br>o.c. in two (2), equally<br>spaced, staggered<br>center rows  | Min. 1.5-inch<br>ACFoam II, ENRGV<br>3 or Multi-Max<br>FA3 | hot<br>asphalt          | Min. 0.75-inch<br>Fescoboard<br>(homogeneous) or min.<br>0.5-inch Structodek<br>High Density Fiberboard | hot<br>asphalt          | BP-AA or<br>SBS-AA   | (Optional)<br>BP-AA or<br>SBS-AA | SBS-AA or<br>APP-TA | -60.0        |

TABLE 5C: CEMENTITIOUS WOOD FIBER DECKS – REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

| System No. | Deck<br>(Note 1) | Base Insulation Layer(s)<br>(Note 3, Note 13)              | Top Insulation Layer                                                           |                                                                  |               | Roof Cover (Note 15)            |                                            |                  | MDP<br>(psf) |
|------------|------------------|------------------------------------------------------------|--------------------------------------------------------------------------------|------------------------------------------------------------------|---------------|---------------------------------|--------------------------------------------|------------------|--------------|
|            |                  |                                                            | Type                                                                           | Fasten (Note 11)                                                 | Attach        | Base Ply                        | Ply                                        | Cap Ply          |              |
| CWF-19.    | Existing Tectum  | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation               | OMG Polymer GypTec with 3" GypTec Plate (Field W/D > 180 lb/ft)  | 1 per 2.0 ft² | BP-AA or SBS-AA                 | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -45.0*       |
| CWF-20.    | Existing Tectum  | (Optional) One or more layers, any combination, loose laid | Min. 0.25-inch DensDeck or DensDeck Prime                                      | OMG Polymer GypTec with 3" GypTec Plate (Field W/D > 160 lb/ft)  | 1 per 1.8 ft² | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -45.0*       |
| CWF-21.    | Existing Tectum  | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation               | Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 180 lb/ft) | 1 per 2.0 ft² | BP-AA or SBS-AA                 | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -45.0*       |
| CWF-22.    | Existing Tectum  | (Optional) One or more layers, any combination, loose laid | Min. 0.25-inch DensDeck or DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board | Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 180 lb/ft) | 1 per 2.0 ft² | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -45.0*       |



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TABLE 5D: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (Tear-Off) OR REROOF SYSTEM TYPE E-2: MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

| System No.             | Deck<br><a href="#">[Note 1]</a> | Base Sheet                                                                                              |                                                                     |                                                                                                   | Roof Cover <a href="#">[Note 15]</a> |                  | MDP<br><a href="#">[psf]</a> |
|------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------|------------------|------------------------------|
|                        |                                  | Base                                                                                                    | Fasten <a href="#">[Note 11]</a>                                    | Attach                                                                                            | Base Ply                             | Cap Ply          |                              |
| SELF-ADHERING SYSTEMS: |                                  |                                                                                                         |                                                                     |                                                                                                   |                                      |                  |                              |
| CWF-23.                | Tectum                           | Flintlastic SA NailBase                                                                                 | Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 80 lbf)       | 6-inch o.c. at the 4-inch lap and 10-inch o.c. in two (2), equally spaced, staggered center rows  | SBS-SA                               | SBS-SA           | -60.0                        |
| CWF-24.                | Tectum                           | Flintlastic SA NailBase                                                                                 | Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 69 lbf)       | 7-inch o.c. at the 4-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows   | SBS-SA                               | SBS-SA           | -60.0                        |
| CONVENTIONAL SYSTEMS:  |                                  |                                                                                                         |                                                                     |                                                                                                   |                                      |                  |                              |
| CWF-25.                | Existing Tectum (reroof only)    | All Weather/Empire Base Sheet or Flinglas MS Cap (inverted)                                             | Trufast Insuldeck Loc-Nail Base Sheet Fastener (Field W/D > 53 lbf) | 9-inch o.c. at the 4-inch lap and 12-inch o.c. in two (2), equally spaced, staggered center rows  | BP-AA or SBS-AA                      | SBS-AA           | -30.0*                       |
| CWF-26.                | Existing Tectum (reroof only)    | All Weather/Empire Base Sheet or Flinglas MS Cap (inverted)                                             | Trufast Insuldeck Loc-Nail Base Sheet Fastener (Field W/D > 55 lbf) | 7½-inch o.c. at the 4-inch lap and 7½-inch o.c. in two (2), equally spaced, staggered center rows | BP-AA or SBS-AA                      | SBS-AA           | -45.0*                       |
| CWF-27.                | Tectum                           | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet or Flinglas MS Cap (inverted)   | Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 80 lbf)       | 6-inch o.c. at the 4-inch lap and 10-inch o.c. in two (2), equally spaced, staggered center rows  | BP-AA or SBS-AA                      | SBS-AA or APP-TA | -60.0                        |
| CWF-28.                | Tectum                           | Glasbase Base Sheet, Flintlastic Base 20 or All Weather/Empire Base Sheet or Flinglas MS Cap (inverted) | Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 77 lbf)       | 7-inch o.c. at the 4-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows   | BP-AA or SBS-AA                      | SBS-AA or APP-TA | -67.5                        |



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

| System No.             | Deck<br><small>(Note 1, Note 12)</small> | Base Insulation Layer                                                                                                   |                                               | Top Insulation Layer                                        |                                               | Roof Cover <small>(Note 15)</small> |                                            |                  | MDP<br><small>(psf)</small> |
|------------------------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------------------------|-----------------------------------------------|-------------------------------------|--------------------------------------------|------------------|-----------------------------|
|                        |                                          | Type                                                                                                                    | Attach<br><small>(Notes 6,7,8)</small>        | Type                                                        | Attach<br><small>(Notes 6,7,8)</small>        | Base Ply                            | Ply                                        | Cap Ply          |                             |
| SELF-ADHERING SYSTEMS: |                                          |                                                                                                                         |                                               |                                                             |                                               |                                     |                                            |                  |                             |
| G-1.                   | Existing gypsum deck                     | Min. 1.5-inch ACFoam II, ACFoam III, ENRGY 3, H-Shield or H-Shield CG                                                   | M-OSFA                                        | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board            | M-OSFA                                        | SBS-SA                              | (Optional) SBS-SA                          | SBS-SA           | -172.5                      |
| G-2.                   | Existing gypsum deck                     | Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3                                                                       | M-OSFA                                        | Min. 0.25-inch DensDeck primed with FlintPrime QD           | M-OSFA                                        | SBS-SA                              | (Optional) SBS-SA                          | SBS-SA           | -192.5                      |
| G-3.                   | Existing gypsum deck                     | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG                                      | M-PG1                                         | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board            | M-PG1                                         | SBS-SA                              | (Optional) SBS-SA                          | SBS-SA           | -172.5                      |
| G-4.                   | Existing gypsum deck                     | Min. 1.5-inch ACFoam II or ENRGY 3                                                                                      | OB500                                         | Min. 0.25-inch DensDeck primed with FlintPrime QD           | OB500                                         | SBS-SA                              | (Optional) SBS-SA                          | SBS-SA           | -135.0                      |
| G-5.                   | Existing gypsum deck                     | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG                                      | OB500                                         | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board            | OB500                                         | SBS-SA                              | (Optional) SBS-SA                          | SBS-SA           | -172.5                      |
| G-6.                   | Existing gypsum deck                     | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG                                      | Polysat BM                                    | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board            | Polysat BM                                    | SBS-SA                              | (Optional) SBS-SA                          | SBS-SA           | -172.5                      |
| G-7.                   | Existing gypsum deck                     | One or more layer(s), min. 1-inch H-Shield or ENRGY 3, min. 1.3-inch ACFoam III or min. 1.5-inch ACFoam II or Ultra-Max | Polysat CRA                                   | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board            | Polysat CRA                                   | SBS-SA                              | (Optional) SBS-SA                          | SBS-SA           | -172.5                      |
| G-8.                   | Existing gypsum deck                     | min. 1-inch H-Shield or ENRGY 3, min. 1.3-inch ACFoam III or min. 1.5-inch ACFoam II, Multi-Max FA3 or Ultra-Max        | Polysat CRA                                   | Min. 0.25-inch DensDeck primed with FlintPrime QD           | Polysat CRA                                   | SBS-SA                              | (Optional) SBS-SA                          | SBS-SA           | -192.5                      |
| HYBRID SYSTEMS:        |                                          |                                                                                                                         |                                               |                                                             |                                               |                                     |                                            |                  |                             |
| G-9.                   | Existing gypsum deck                     | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG                                      | M-OSFA, M-PG1, OB500, Polysat BM, Polysat CRA | (Optional) Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | M-OSFA, M-PG1, OB500, Polysat BM, Polysat CRA | SBS-SA-H                            | (Optional) SBS-AA, SBS-TA or APP-TA        | SBS-AA or APP-TA | -187.5                      |
| CONVENTIONAL SYSTEMS:  |                                          |                                                                                                                         |                                               |                                                             |                                               |                                     |                                            |                  |                             |
| G-10.                  | Existing gypsum deck                     | Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield                                                                            | M-OSFA                                        | Min. 0.5-inch Structodek High Density Fiberboard            | M-OSFA                                        | BP-AA or SBS-AA                     | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -127.5                      |
| G-11.                  | Existing gypsum deck                     | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG                                      | M-OSFA                                        | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board            | M-OSFA                                        | BP-AA or SBS-AA, SBS-TA or APP-TA   | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -187.5                      |
| G-12.                  | Existing gypsum deck                     | Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield                                                                            | M-OSFA                                        | Min. 0.25-inch DensDeck                                     | M-OSFA                                        | BP-AA or SBS-AA                     | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -232.5                      |



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

| System No. | Deck<br>(Note 1, Note 12) | Base Insulation Layer                                                                    |                         |                                                                              | Top Insulation Layer    |                                   |                                            | Roof Cover (Note 15) |        |  | MDP (psf) |
|------------|---------------------------|------------------------------------------------------------------------------------------|-------------------------|------------------------------------------------------------------------------|-------------------------|-----------------------------------|--------------------------------------------|----------------------|--------|--|-----------|
|            |                           | Type                                                                                     | Attach<br>(Notes 6,7,8) | Type                                                                         | Attach<br>(Notes 6,7,8) | Base Ply                          | Ply                                        | Cap Ply              |        |  |           |
| G-13.      | Existing Gypsum deck      | Min. 2-inch ACFoam II, ENRGY 3 or H-Shield                                               | M-OSFA                  | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                             | M-OSFA                  | BP-AA or SBS-AA, SBS-TA or App-TA | (Optional) BP-AA, SBS-AA, SBS-TA or App-TA | SBS-AA or App-TA     | -202.5 |  |           |
| G-14.      | Existing Gypsum deck      | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG       | M-PG1                   | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                             | M-PG1                   | BP-AA or SBS-AA, SBS-TA or App-TA | (Optional) BP-AA, SBS-AA, SBS-TA or App-TA | SBS-AA or App-TA     | -187.5 |  |           |
| G-15.      | Existing Gypsum deck      | Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield                                             | OB500                   | Min. 0.5-inch Structodek High Density Fiberboard                             | OB500                   | BP-AA or SBS-AA                   | (Optional) BP-AA, SBS-AA, SBS-TA or App-TA | SBS-AA or App-TA     | -120.0 |  |           |
| G-16.      | Existing Gypsum deck      | Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield                                             | OB500                   | Min. 0.25-inch DensDeck, DensDeck Prime or SECURROCK 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 or App-TA     | -135.0 |  |           |
| G-17.      | Existing Gypsum deck      | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG       | OB500                   | Min. 0.25-inch SECURROCK 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 or App-TA     | -187.5 |  |           |
| G-18.      | Existing Gypsum deck      | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG       | Polysset BM             | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                             | Polysset BM             | BP-AA, SBS-AA, SBS-TA or App-TA   | (Optional) BP-AA, SBS-AA, SBS-TA or App-TA | SBS-AA or App-TA     | -187.5 |  |           |
| G-19.      | Existing Gypsum deck      | Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max | Polysset CRA            | Min. 0.5-inch Structodek High Density Fiberboard                             | Polysset CRA            | BP-AA or SBS-AA                   | (Optional) BP-AA, SBS-AA, SBS-TA or App-TA | SBS-AA or App-TA     | -180.0 |  |           |
| G-20.      | Existing Gypsum deck      | One or more layer(s), min. 1.5-inch ACFoam II, ACFoam III, H-Shield or H-Shield CG       | Polysset CRA            | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                             | Polysset CRA            | BP-AA, SBS-AA, SBS-TA or App-TA   | (Optional) BP-AA, SBS-AA, SBS-TA or App-TA | SBS-AA or App-TA     | -187.5 |  |           |
| G-21.      | Existing Gypsum deck      | Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max | Polysset CRA            | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                             | Polysset CRA            | BP-AA or SBS-AA                   | (Optional) BP-AA, SBS-AA, SBS-TA or App-TA | SBS-AA or App-TA     | -225.0 |  |           |
| G-22.      | Existing Gypsum deck      | Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max | Polysset CRA            | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                             | Polysset CRA            | SBS-TA or App-TA                  | (Optional) SBS-TA or App-TA                | App-TA               | -232.5 |  |           |
| G-23.      | Existing Gypsum deck      | Min. 1-inch ENRGY 3, H-Shield or H-Shield CG or min. 1.5-inch Multi-Max FA3 or Ultra-Max | Polysset CRA            | Min. 0.25-inch DensDeck                                                      | Polysset CRA            | BP-AA or SBS-AA                   | (Optional) BP-AA, SBS-AA, SBS-TA or App-TA | SBS-AA or App-TA     | -240.0 |  |           |



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

| System No.            | Deck<br><a href="#">[Note 1]</a> | Type                                                                                                   | Anchor Sheet                                                                                         |                                                                                                  | Base Insulation                                              |                                         | Top Insulation                                                                              |                                         | Roof Cover <a href="#">[Note 15]</a> |                                     |                  | MDP<br><a href="#">[psf]</a> |
|-----------------------|----------------------------------|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------|--------------------------------------|-------------------------------------|------------------|------------------------------|
|                       |                                  |                                                                                                        | Fasten <a href="#">[Note 11]</a>                                                                     | Attach                                                                                           | Type                                                         | Attach<br><a href="#">[Notes 6,7,8]</a> | Type                                                                                        | Attach<br><a href="#">[Notes 6,7,8]</a> | Base Ply                             | Ply                                 | Cap Ply          |                              |
| HYBRID SYSTEMS:       |                                  |                                                                                                        |                                                                                                      |                                                                                                  |                                                              |                                         |                                                                                             |                                         |                                      |                                     |                  |                              |
| G-24.                 | Existing gypsum deck             | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet or Flintglas MS Cap (inverted) | Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 80 lbf)                                        | 6-inch o.c. at the 4-inch lap and 10-inch o.c. in two (2), equally spaced, staggered center rows | Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3            | hot asphalt                             | None                                                                                        | N/A                                     | SBS-SA-H                             | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -60.0                        |
| G-25.                 | Existing gypsum deck             | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet or Flintglas MS Cap (inverted) | Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 69 lbf)                                        | 7-inch o.c. at the 4-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows  | Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3            | hot asphalt                             | None                                                                                        | N/A                                     | SBS-SA-H                             | (Optional) SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -60.0                        |
| CONVENTIONAL SYSTEMS: |                                  |                                                                                                        |                                                                                                      |                                                                                                  |                                                              |                                         |                                                                                             |                                         |                                      |                                     |                  |                              |
| G-26.                 | Existing gypsum deck             | All Weather/Empire Base Sheet or Flintglas MS Cap (inverted)                                           | Trufast FM-75 or FM-90 Base Sheet Fastener or Twin Loc-Nail Assembled Fastener (Field W/D > 100 lbf) | 9-inch o.c. at the 4-inch lap and 18-inch o.c. in two (2), equally spaced, staggered center rows | (Optional) Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3 | hot asphalt                             | Min. 0.75-inch Fescoboard (homogeneous) or min. 0.5-inch Structodek High Density Fiberboard | hot asphalt                             | BP-AA or SBS-AA                      | (Optional) BP-AA or SBS-AA          | SBS-AA or APP-TA | -45.0*                       |
| G-27.                 | Existing gypsum deck             | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet or Flintglas MS Cap (inverted) | Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 80 lbf)                                        | 6-inch o.c. at the 4-inch lap and 10-inch o.c. in two (2), equally spaced, staggered center rows | Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3            | hot asphalt                             | Min. 0.75-inch Fescoboard (homogeneous) or min. 0.5-inch Structodek High Density Fiberboard | hot asphalt                             | BP-AA or SBS-AA                      | (Optional) BP-AA or SBS-AA          | SBS-AA or APP-TA | -60.0                        |
| G-28.                 | Existing gypsum deck             | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet or Flintglas MS Cap (inverted) | Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 69 lbf)                                        | 7-inch o.c. at the 4-inch lap and 7-inch o.c. in two (2), equally spaced, staggered center rows  | Min. 1.5-inch ACFoam II, ENRGY 3 or Multi-Max FA3            | hot asphalt                             | Min. 0.75-inch Fescoboard (homogeneous) or min. 0.5-inch Structodek High Density Fiberboard | hot asphalt                             | BP-AA or SBS-AA                      | (Optional) BP-AA or SBS-AA          | SBS-AA or APP-TA | -60.0                        |



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

| System No. | Deck<br>(Note 1)     | Base Insulation Layer(s)<br>(Note 3, Note 13)              | Top Insulation Layer                                                           |                                                                |                           | Roof Cover (Note 15)            |                                            |                  | MDP (psf) |
|------------|----------------------|------------------------------------------------------------|--------------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------|---------------------------------|--------------------------------------------|------------------|-----------|
|            |                      |                                                            | Type                                                                           | Fasten (Note 11)                                               | Attach                    | Base Ply                        | Ply                                        | Cap Ply          |           |
| G-29.      | Existing gypsum deck | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation               | OMG Polymer GypTec with 3" GypTec Plate (Field W/D > 180 lbf)  | 1 per 2.0 ft <sup>2</sup> | BP-AA or SBS-AA                 | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -45.0*    |
| G-30.      | Existing gypsum deck | (Optional) One or more layers, any combination, loose laid | Min. 0.25-inch DensDeck or DensDeck Prime                                      | OMG Polymer GypTec with 3" GypTec Plate (Field W/D > 160 lbf)  | 1 per 1.8 ft <sup>2</sup> | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -45.0*    |
| G-31.      | Existing gypsum deck | (Optional) One or more layers, any combination, loose laid | Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation               | Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 180 lbf) | 1 per 2.0 ft <sup>2</sup> | BP-AA or SBS-AA                 | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -45.0*    |
| G-32.      | Existing gypsum deck | (Optional) One or more layers, any combination, loose laid | Min. 0.25-inch DensDeck or DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board | Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 180 lbf) | 1 per 2.0 ft <sup>2</sup> | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -45.0*    |

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

| System No.             | Deck<br>(Note 1)     | Base Sheet                                                                                             |                                                                                                      |                                                                                                  | Roof Cover (Note 15) |                  | MDP<br>(psf) |
|------------------------|----------------------|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------|------------------|--------------|
|                        |                      | Base                                                                                                   | Fasten (Note 11)                                                                                     | Attach                                                                                           | Base Ply             | Cap Ply          |              |
| SELF-ADHERING SYSTEMS: |                      |                                                                                                        |                                                                                                      |                                                                                                  |                      |                  |              |
| G-33.                  | Existing Gypsum deck | Flintlastic SA NailBase                                                                                | Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 80 lbf)                                        | 6-inch o.c. at the 4-inch lap and 10-inch o.c. in two (2), equally spaced, staggered center rows | SBS-SA               | SBS-SA           | -60.0        |
| G-34.                  | Existing gypsum deck | Flintlastic SA NailBase                                                                                | Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 88 lbf)                                        | 9-inch o.c. at the 4-inch lap and 9-inch o.c. in two (2), equally spaced, staggered center rows  | SBS-SA               | SBS-SA           | -60.0        |
| CONVENTIONAL SYSTEMS:  |                      |                                                                                                        |                                                                                                      |                                                                                                  |                      |                  |              |
| G-35.                  | Existing gypsum deck | All Weather/Empire Base Sheet or Flintglas MS Cap (inverted)                                           | Trufast FM-75 or FM-90 Base Sheet Fastener or Twin Loc-Nail Assembled Fastener (Field W/D > 100 lbf) | 9-inch o.c. at the 4-inch lap and 18-inch o.c. in two (2), equally spaced, staggered center rows | BP-AA or SBS-AA      | SBS-AA           | -45.0*       |
| G-36.                  | Existing gypsum deck | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet or Flintglas MS Cap (inverted) | Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 80 lbf)                                        | 6-inch o.c. at the 4-inch lap and 10-inch o.c. in two (2), equally spaced, staggered center rows | BP-AA or SBS-AA      | SBS-AA or APP-TA | -60.0        |
| G-37.                  | Existing gypsum deck | Glasbase Base Sheet, Flintlastic Base 20, All Weather/Empire Base Sheet or Flintglas MS Cap (inverted) | Trufast Twin Loc-Nail Assembled Fastener (Field W/D > 100 lbf)                                       | 9-inch o.c. at the 4-inch lap and 9-inch o.c. in two (2), equally spaced, staggered center rows  | BP-AA or SBS-AA      | SBS-AA or APP-TA | -67.5        |



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

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation 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                                                  |                              | Top Insulation Layer                              |                              | Primer        | Roof Cover (Note 15) |                   |         | MDP (psf) <sup>A</sup> |
|------------------------|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------|---------------------------------------------------|------------------------------|---------------|----------------------|-------------------|---------|------------------------|
|                        |                                                                                                                              | Type                                                                   | Attach (Notes 6,7,8)         | Type                                              | Attach (Notes 6,7,8)         |               | Base Ply             | Ply               | Cap Ply |                        |
| SELF-ADHERING SYSTEMS: |                                                                                                                              |                                                                        |                              |                                                   |                              |               |                      |                   |         |                        |
| R-1                    | Existing fully bonded BUR or modified bitumen roof cover                                                                     | (Optional) Min. 1.5-inch ACFoam II, ENRGV 3, H-Shield or Multi-Max FA3 | hot asphalt                  | Min. 0.25-inch DensDeck                           | hot asphalt                  | FlintPrime QD | SBS-SA               | (Optional) SBS-SA | SBS-SA  | -105.0                 |
| R-2                    | Existing fully bonded BUR or modified bitumen roof cover                                                                     | (Optional) Min. 1.5-inch ACFoam II, ENRGV 3, H-Shield or Multi-Max FA3 | hot asphalt                  | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board  | hot asphalt                  | None          | SBS-SA               | (Optional) SBS-SA | SBS-SA  | -105.0                 |
| R-3                    | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACFoam II or H-Shield                         | M-OSFA or M-PG1              | Min. 0.5-inch ACFoam-HD Coverboard or H-Shield HD | M-OSFA or M-PG1              | FlintPrime QD | SBS-SA               | (Optional) SBS-SA | SBS-SA  | -97.5                  |
| R-4                    | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACFoam II or H-Shield                         | M-OSFA or M-PG1              | Min. 2-inch H-Shield HD Composite CG              | M-OSFA or M-PG1              | None          | SBS-SA               | (Optional) SBS-SA | SBS-SA  | -142.5                 |
| R-5                    | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACFoam II, ENRGV 3 or H-Shield                | M-OSFA or M-PG1              | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board  | M-OSFA or M-PG1              | None          | SBS-SA               | (Optional) SBS-SA | SBS-SA  | -172.5                 |
| R-6                    | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACFoam II, ENRGV 3 or Multi-Max FA3           | M-OSFA or M-PG1              | Min. 0.25-inch DensDeck                           | M-OSFA or M-PG1              | FlintPrime QD | SBS-SA               | (Optional) SBS-SA | SBS-SA  | -192.5                 |
| R-7                    | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACFoam II or H-Shield                         | M-OSFA or M-PG1, 6-inch o.c. | Min. 0.5-inch ACFoam-HD Coverboard or H-Shield HD | M-OSFA or M-PG1, 6-inch o.c. | FlintPrime QD | SBS-SA               | (Optional) SBS-SA | SBS-SA  | -315.0                 |
| R-8                    | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACFoam II or H-Shield                         | M-OSFA or M-PG1, 6-inch o.c. | Min. 2-inch H-Shield HD Composite CG              | M-OSFA or M-PG1, 6-inch o.c. | None          | SBS-SA               | (Optional) SBS-SA | SBS-SA  | -315.0                 |
| R-9                    | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACFoam II or H-Shield                         | M-OSFA or M-PG1, 6-inch o.c. | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board  | M-OSFA or M-PG1, 6-inch o.c. | FlintPrime QD | SBS-SA               | (Optional) SBS-SA | SBS-SA  | -315.0                 |
| R-10                   | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACFoam II or H-Shield                         | M-PG1-EF-ECO                 | Min. 0.5-inch H-Shield HD                         | M-PG1-EF-ECO                 | FlintPrime QD | SBS-SA               | (Optional) SBS-SA | SBS-SA  | -97.5                  |
| R-11                   | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACFoam II or H-Shield                         | M-PG1-EF-ECO                 | Min. 2-inch H-Shield HD Composite CG              | M-PG1-EF-ECO                 | None          | SBS-SA               | (Optional) SBS-SA | SBS-SA  | -142.5                 |



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TABLE 7A: RECOVER APPLICATIONS

SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

<sup>A</sup> The reported MDP<sup>a</sup> 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                                                  |                      | Top Insulation Layer                              |                      | Primer        | Roof Cover (Note 15) |                                   |                        | MDP (psf) <sup>A</sup> |
|-----------------|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|----------------------|---------------------------------------------------|----------------------|---------------|----------------------|-----------------------------------|------------------------|------------------------|
|                 |                                                                                                                              | Type                                                                   | Attach (Notes 6,7,8) | Type                                              | Attach (Notes 6,7,8) |               | Base Ply             | Ply                               | Cap Ply                |                        |
|                 |                                                                                                                              |                                                                        |                      |                                                   |                      |               |                      |                                   |                        |                        |
| R-12            | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACFoam II, ENRGV 3 or H-Shield                | M-PGL-EF-ECO         | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board  | M-PGL-EF-ECO         | None          | SBS-SA               | (Optional) SBS-SA                 | SBS-SA                 | -172.5                 |
| R-13            | Existing fully bonded BUR or modified bitumen roof cover                                                                     | (Optional) Min. 1.5-inch ACFoam II or ENRGV 3                          | OB500                | Min. 0.25-inch DensDeck                           | OB500                | FlintPrime QD | SBS-SA               | (Optional) SBS-SA                 | SBS-SA                 | -120.0                 |
| R-14            | Existing fully bonded BUR or modified bitumen roof cover                                                                     | (Optional) Min. 1.5-inch ACFoam II or ENRGV 3                          | OB500                | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board  | OB500                | None          | SBS-SA               | (Optional) SBS-SA                 | SBS-SA                 | -120.0                 |
| R-15            | Existing fully-bonded smooth- or granule-surface asphalt BUR or granule-surface modified bitumen                             | (Optional) Min. 1.5-inch ACFoam II or H-Shield                         | Polyset BM           | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board  | Polyset BM           | None          | SBS-SA               | (Optional) SBS-SA                 | SBS-SA                 | -172.5                 |
| R-16            | Existing fully-bonded smooth- or granule-surface asphalt BUR or granule-surface modified bitumen                             | (Optional) Min. 1.5-inch ACFoam II or H-Shield                         | Polyset BM           | Min. 0.25-inch DensDeck                           | Polyset BM           | FlintPrime QD | SBS-SA               | (Optional) SBS-SA                 | SBS-SA                 | -192.5                 |
| R-17            | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACFoam II or H-Shield                         | Polyset CRA          | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board  | Polyset CRA          | None          | SBS-SA               | (Optional) SBS-SA                 | SBS-SA                 | -172.5                 |
| R-18            | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACFoam II or H-Shield                         | Polyset CRA          | Min. 0.25-inch DensDeck                           | Polyset CRA          | FlintPrime QD | SBS-SA               | (Optional) SBS-SA                 | SBS-SA                 | -192.5                 |
| HYBRID SYSTEMS: |                                                                                                                              |                                                                        |                      |                                                   |                      |               |                      |                                   |                        |                        |
| R-19            | Existing fully bonded BUR or modified bitumen roof cover                                                                     | (Optional) Min. 1.5-inch ACFoam II, ENRGV 3, H-Shield or Multi-Max FA3 | hot asphalt          | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board  | hot asphalt          | None          | SBS-SA-H             | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -105.0                 |
| R-20            | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACFoam II or H-Shield                         | M-OSFA or M-PGI      | Min. 0.5-inch ACFoam-HD CoverBoard or H-Shield HD | M-OSFA or M-PGI      | None          | SBS-SA-H             | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -97.5                  |
| R-21            | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACFoam II or H-Shield                         | M-OSFA or M-PGI      | Min. 2-inch H-Shield HD Composite CG              | M-OSFA or M-PGI      | None          | SBS-SA-H             | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -142.5                 |



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

| A The reported MDP documents the allowable maximum design pressure of the new insulation 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                          |                              |                                                                                                                         | Top Insulation Layer         |          |          | Primer                            | Roof Cover (Note 15)   |        |  | MDP (psf) <sup>A</sup> |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                              | Type                                           | Attach (Notes 6,7,8)         | Type                                                                                                                    | Attach (Notes 6,7,8)         | Base Ply | Ply      |                                   | Cap Ply                |        |  |                        |
| R-22                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACfoam II or H-Shield | M-OSFA or M-PGI              | (Optional) Additional layer(s) base insulation                                                                          | M-OSFA or M-PGI              | None     | SBS-SA-H | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -210.0 |  |                        |
| R-23                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACfoam II or H-Shield | M-OSFA or M-PGI              | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                                                                        | M-OSFA or M-PGI              | None     | SBS-SA-H | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -210.0 |  |                        |
| R-24                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACfoam II or H-Shield | M-OSFA or M-PGI, 6-inch o.c. | Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board or min. 0.5-inch ACfoam-HD CoverBoard or H-Shield HD | M-OSFA or M-PGI, 6-inch o.c. | None     | SBS-SA-H | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -315.0 |  |                        |
| R-25                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACfoam II or H-Shield | M-OSFA or M-PGI, 6-inch o.c. | Min. 2-inch H-Shield HD Composite CG                                                                                    | M-OSFA or M-PGI, 6-inch o.c. | None     | SBS-SA-H | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -315.0 |  |                        |
| R-26                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACfoam II or H-Shield | M-PGI-EF-ECO                 | Min. 0.5-inch H-Shield HD                                                                                               | M-PGI-EF-ECO                 | None     | SBS-SA-H | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -97.5  |  |                        |
| R-27                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACfoam II or H-Shield | M-PGI-EF-ECO                 | Min. 2-inch H-Shield HD Composite CG                                                                                    | M-PGI-EF-ECO                 | None     | SBS-SA-H | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -142.5 |  |                        |
| R-28                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACfoam II or H-Shield | M-PGI-EF-ECO                 | (Optional) Additional layer(s) base insulation                                                                          | M-PGI-EF-ECO                 | None     | SBS-SA-H | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -210.0 |  |                        |
| R-29                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACfoam II or H-Shield | M-PGI-EF-ECO                 | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                                                                        | M-PGI-EF-ECO                 | None     | SBS-SA-H | (Optional) SBS-AA, SBS-TA, APP-TA | SBS-AA, SBS-TA, APP-TA | -210.0 |  |                        |



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

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation 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                                                  |                      | Top Insulation Layer                                                                                                               |                      | Primer | Roof Cover (Note 15)            |                                            |                        | MDP [psf] <sup>A</sup> |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------|---------------------------------|--------------------------------------------|------------------------|------------------------|
|                       |                                                                                                                              | Type                                                                   | Attach (Notes 6,7,8) | Type                                                                                                                               | Attach (Notes 6,7,8) |        | Base Ply                        | Ply                                        | Cap Ply                |                        |
| R-30                  | Existing fully bonded, smooth- or granule-surface BUR or modified bitumen                                                    | (Optional) Min. 1.5-inch ACFoam II or ENRGY 3                          | OB500                | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                                                                                   | OB500                | None   | SBS-SA-H                        | (Optional) SBS-AA, SBS-TA, APP-TA          | SBS-AA, SBS-TA, APP-TA | -120.0                 |
| R-31                  | Existing fully-bonded smooth- or granule-surface asphalt BUR or granule-surface modified bitumen                             | (Optional) Min. 1.5-inch ACFoam II or H-Shield                         | Polysat BM           | (Optional) Additional layer(s) base insulation                                                                                     | Polysat BM           | None   | SBS-SA-H                        | (Optional) SBS-AA, SBS-TA, APP-TA          | SBS-AA, SBS-TA, APP-TA | -195.0                 |
| R-32                  | Existing fully-bonded smooth- or granule-surface asphalt BUR or granule-surface modified bitumen                             | (Optional) Min. 1.5-inch ACFoam II or H-Shield                         | Polysat BM           | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                                                                                   | Polysat BM           | None   | SBS-SA-H                        | (Optional) SBS-AA, SBS-TA, APP-TA          | SBS-AA, SBS-TA, APP-TA | -195.0                 |
| R-33                  | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch ACFoam II or H-Shield                                    | Polysat CRA          | (Optional) Additional layer(s) base insulation                                                                                     | Polysat CRA          | None   | SBS-SA-H                        | (Optional) SBS-AA, SBS-TA, APP-TA          | SBS-AA, SBS-TA, APP-TA | -222.5                 |
| R-34                  | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACFoam II or H-Shield                         | Polysat CRA          | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                                                                                   | Polysat CRA          | None   | SBS-SA-H                        | (Optional) SBS-AA, SBS-TA, APP-TA          | SBS-AA, SBS-TA, APP-TA | -217.5                 |
| CONVENTIONAL SYSTEMS: |                                                                                                                              |                                                                        |                      |                                                                                                                                    |                      |        |                                 |                                            |                        |                        |
| R-35                  | Existing fully bonded BUR or modified bitumen roof cover                                                                     | (Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3 | hot asphalt          | Min. 0.5-inch Structodek High Density Fiberboard, Min. 0.75-inch Fescoboard (homogeneous) or Min. 0.5-inch DuraBoard (homogeneous) | hot asphalt          | None   | BP-AA, SBS-AA                   | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA       | -105.0                 |
| R-36                  | Existing fully bonded BUR or modified bitumen roof cover                                                                     | (Optional) Min. 1.5-inch ACFoam II, ENRGY 3, H-Shield or Multi-Max FA3 | hot asphalt          | 0.25-inch DensDeck, DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board                                                            | hot asphalt          | None   | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA       | -105.0                 |
| R-37                  | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACFoam II, ENRGY 3 or H-Shield                | M-OSFA or M-PG1      | Min. 0.5-inch Structodek High Density Fiberboard                                                                                   | M-OSFA or M-PG1      | None   | BP-AA or SBS-AA                 | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA       | -165.0                 |



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

| A The reported MDP documents the allowable maximum design pressure of the new insulation 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                                   |                              |                                                                              | Top Insulation Layer         |          |      | Primer                          | Roof Cover (Note 15)                       |                  |        | MDP (psf) <sup>A</sup> |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                              | Type                                                    | Attach (Notes 6,7,8)         | Type                                                                         | Attach (Notes 6,7,8)         | Base Ply | Ply  |                                 | Cap Ply                                    |                  |        |                        |
| R-38                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACFoam II, ENRGV 3 or H-Shield | M-OSFA or M-PG1              | Min. 0.25-inch DensDeck                                                      | M-OSFA or M-PG1              | None     | None | BP-AA or SBS-AA                 | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -210.0 |                        |
| R-39                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACFoam II or H-Shield          | M-OSFA or M-PG1              | Min. 0.25-inch DensDeck Prime                                                | M-OSFA or M-PG1              | None     | None | BP-AA, SBS-AA, SBS-TA           | (Optional) BP-AA, SBS-AA or SBS-TA         | SBS-AA           | -210.0 |                        |
| R-40                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 2-inch ACFoam II, ENRGV 3 or H-Shield   | M-OSFA or M-PG1              | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                             | M-OSFA or M-PG1              | None     | None | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -210.0 |                        |
| R-41                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACFoam II or H-Shield          | M-OSFA or M-PG1, 6-inch o.c. | Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board           | M-OSFA or M-PG1, 6-inch o.c. | None     | None | SBS-AA or SBS-TA                | (Optional) SBS-AA or SBS-TA                | SBS-AA           | -315.0 |                        |
| R-42                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACFoam II or H-Shield          | M-OSFA or M-PG1, 6-inch o.c. | Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board           | M-OSFA or M-PG1, 6-inch o.c. | None     | None | Flintlastic STA                 | (Optional) APP-TA                          | APP-TA           | -315.0 |                        |
| R-43                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACFoam II or H-Shield          | M-PG1-EF-ECO                 | Min. 0.25-inch DensDeck Prime                                                | M-PG1-EF-ECO                 | None     | None | BP-AA, SBS-AA, SBS-TA           | (Optional) BP-AA, SBS-AA or SBS-TA         | SBS-AA           | -210.0 |                        |
| R-44                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 2-inch ACFoam II, ENRGV 3 or H-Shield   | M-PG1-EF-ECO                 | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board                             | M-PG1-EF-ECO                 | None     | None | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -210.0 |                        |
| R-45                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully bonded BUR or modified bitumen roof cover                                                                     | (Optional) Min. 1.5-inch ACFoam II, ENRGV 3 or H-Shield | OB500                        | Min. 0.5-inch Structodek High Density Fiberboard                             | OB500                        | None     | None | BP-AA or SBS-AA                 | BP-AA, SBS-AA or APP-TA                    | SBS-AA or APP-TA | -120.0 |                        |
| R-46                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully bonded BUR or modified bitumen roof cover                                                                     | (Optional) Min. 1.5-inch ACFoam II, ENRGV 3 or H-Shield | OB500                        | Min. 0.25-inch DensDeck, DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board | OB500                        | None     | None | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-AA, SBS-TA or APP-TA | SBS-AA or APP-TA | -120.0 |                        |



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

| A The reported MDP documents the allowable maximum design pressure of the new insulation 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                          |                      |                                                   | Top Insulation Layer |          |                                 | Primer                             | Roof Cover (Note 15) |        |  | MDP (psf) <sup>A</sup> |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                              | Type                                           | Attach (Notes 6,7,8) | Type                                              | Attach (Notes 6,7,8) | Base Ply | Ply                             |                                    | Cap Ply              |        |  |                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                              |                                                |                      |                                                   |                      |          |                                 |                                    |                      |        |  |                        |
| R-47                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or granule-surface modified bitumen                             | (Optional) Min. 1.5-inch ACFoam II or H-Shield | Polysat BM           | Min. 0.25-inch DensDeck                           | Polysat BM           | None     | BP-AA or SBS-AA                 | (Optional) BP-AA, SBS-TA or APP-TA | SBS-AA or APP-TA     | -195.0 |  |                        |
| R-48                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or granule-surface modified bitumen                             | (Optional) Min. 1.5-inch ACFoam II or H-Shield | Polysat BM           | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board   | Polysat BM           | None     | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-TA or APP-TA | SBS-AA or APP-TA     | -195.0 |  |                        |
| R-49                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | Min. 1.5-inch ACFoam II or H-Shield            | Polysat CRA          | Min. 0.5-inch Structodek High Density Fiberboard  | Polysat CRA          | None     | BP-AA or SBS-AA                 | (Optional) BP-AA, SBS-TA or APP-TA | SBS-AA or APP-TA     | -180.0 |  |                        |
| R-50                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACFoam II or H-Shield | Polysat CRA          | Min. 0.25-inch DensDeck                           | Polysat CRA          | None     | BP-AA or SBS-AA                 | (Optional) BP-AA, SBS-TA or APP-TA | SBS-AA or APP-TA     | -222.5 |  |                        |
| R-51                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACFoam II or H-Shield | Polysat CRA          | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board   | Polysat CRA          | None     | BP-AA, SBS-AA, SBS-TA or APP-TA | (Optional) BP-AA, SBS-TA or APP-TA | SBS-AA or APP-TA     | -222.5 |  |                        |
| COLD-APPLIED SYSTEMS:                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                              |                                                |                      |                                                   |                      |          |                                 |                                    |                      |        |  |                        |
| R-52                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACFoam II or H-Shield | M-OSFA or M-PG1      | Min. 0.5-inch ACFoam-HD CoverBoard or H-Shield HD | M-OSFA or M-PG1      | None     | SBS-CA1                         | None                               | SBS-CA1              | -97.5  |  |                        |
| R-53                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACFoam II or H-Shield | M-OSFA or M-PG1      | Min. 0.5-inch ACFoam-HD CoverBoard or H-Shield HD | M-OSFA or M-PG1      | None     | SBS-CA4                         | None                               | SBS-CA4              | -97.5  |  |                        |
| R-54                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACFoam II or H-Shield | M-OSFA or M-PG1      | Min. 2-inch H-Shield HD Composite CG              | M-OSFA or M-PG1      | None     | SBS-CA4                         | None                               | SBS-CA4              | -97.5  |  |                        |
| R-55                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 0.5-inch ACFoam II or H-Shield | M-OSFA or M-PG1      | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board   | M-OSFA or M-PG1      | None     | SBS-CA1                         | None                               | SBS-CA1              | -105.0 |  |                        |



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

| ^ 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                          |                      |                                                  | Top Insulation Layer |          |         | Primer | Roof Cover (Note 15) |        |  | MDP (psf)^ |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                              | Type                                           | Attach (Notes 6,7,8) | Type                                             | Attach (Notes 6,7,8) | Base Ply | Ply     |        | Cap Ply              |        |  |            |
| R-56                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 0.5-inch ACfoam II or H-Shield | M-OSFA or M-PG1      | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | M-OSFA or M-PG1      | None     | SBS-CA4 | None   | SBS-CA4              | -105.0 |  |            |
| R-57                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACfoam II or H-Shield | M-PG1-EF-ECO         | Min. 0.5-inch H-Shield HD                        | M-PG1-EF-ECO         | None     | SBS-CA1 | None   | SBS-CA1              | -97.5  |  |            |
| R-58                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACfoam II or H-Shield | M-PG1-EF-ECO         | Min. 0.5-inch H-Shield HD                        | M-PG1-EF-ECO         | None     | SBS-CA4 | None   | SBS-CA4              | -97.5  |  |            |
| R-59                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 1.5-inch ACfoam II or H-Shield | M-PG1-EF-ECO         | Min. 2-inch H-Shield HD Composite CG             | M-PG1-EF-ECO         | None     | SBS-CA4 | None   | SBS-CA4              | -97.5  |  |            |
| R-60                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 0.5-inch ACfoam II or H-Shield | M-PG1-EF-ECO         | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | M-PG1-EF-ECO         | None     | SBS-CA1 | None   | SBS-CA1              | -105.0 |  |            |
| R-61                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 0.5-inch ACfoam II or H-Shield | M-PG1-EF-ECO         | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | M-PG1-EF-ECO         | None     | SBS-CA4 | None   | SBS-CA4              | -105.0 |  |            |
| R-62                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully bonded BUR or modified bitumen roof cover                                                                     | (Optional) Min. 0.5-inch ACfoam II or H-Shield | OB500                | Min. 1.5-inch ACfoam III or H-Shield CG          | OB500                | None     | SBS-CA1 | None   | SBS-CA1              | -82.5  |  |            |
| R-63                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully bonded, smooth- or granule-surface BUR or modified bitumen                                                    | (Optional) Min. 0.5-inch ACfoam II or H-Shield | OB500                | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | OB500                | None     | SBS-CA1 | None   | SBS-CA1              | -105.0 |  |            |
| R-64                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully bonded, smooth- or granule-surface BUR or modified bitumen                                                    | (Optional) Min. 0.5-inch ACfoam II or H-Shield | OB500                | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | OB500                | None     | SBS-CA4 | None   | SBS-CA4              | -105.0 |  |            |
| R-65                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or granule-surface modified bitumen                             | (Optional) Min. 0.5-inch ACfoam II or H-Shield | Polysat BM           | Min. 1.5-inch ACfoam III                         | Polysat BM           | None     | SBS-CA1 | None   | SBS-CA1              | -82.5  |  |            |
| R-66                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or granule-surface modified bitumen                             | (Optional) Min. 0.5-inch ACfoam II or H-Shield | Polysat BM           | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | Polysat BM           | None     | SBS-CA1 | None   | SBS-CA1              | -105.0 |  |            |
| R-67                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or granule-surface modified bitumen                             | (Optional) Min. 0.5-inch ACfoam II or H-Shield | Polysat BM           | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | Polysat BM           | None     | SBS-CA4 | None   | SBS-CA4              | -105.0 |  |            |



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

| A The reported MDP documents the allowable maximum design pressure of the new insulation 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                          |                        |                                                  | Top Insulation Layer   |          |         | Primer | Roof Cover (Note 13) |      |         | MDP (psf) |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                              | Type                                           | Attach (Notes 6, 7, 8) | Type                                             | Attach (Notes 6, 7, 8) | Base Ply | Ply     |        | Cap Ply              |      |         |           |
| R-68                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 0.5-inch ACfoam II or H-Shield | Polysat CRA            | Min. 1.5-inch ACfoam III or H-Shield CG          | Polysat CRA            | None     | SBS-CA1 | None   | SBS-CA1              | None | SBS-CA1 | -82.5     |
| R-69                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 0.5-inch ACfoam II or H-Shield | Polysat CRA            | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | Polysat CRA            | None     | SBS-CA1 | None   | SBS-CA1              | None | SBS-CA1 | -105.0    |
| R-70                                                                                                                                                                                                                                                                                                                                                                                                                       | Existing fully-bonded smooth- or granule-surface asphalt BUR or SBS modified bitumen or granule-surface APP modified bitumen | (Optional) Min. 0.5-inch ACfoam II or H-Shield | Polysat CRA            | Min. 0.25-inch SECURROCK Gypsum-Fiber Roof Board | Polysat CRA            | None     | SBS-CA4 | None   | SBS-CA4              | None | SBS-CA4 | -105.0    |

TABLE 7B: RECOVER APPLICATIONS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER

| A The reported MDP documents the allowable maximum design pressure of the new 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<br><br>(Note 1, Note 12)                | Primer                   | Roof Cover (Note 15) |      |         | MDP<br><br>(psf) <sup>A</sup> |
|                                                                                                                                                                                                                                                                                                                                                                                                             |                                                   |                          | Base Ply             | Ply  | Cap Ply |                               |
| R-71                                                                                                                                                                                                                                                                                                                                                                                                        | Existing fully bonded asphalt built-up roof (BUR) | (Optional) FlintPrime QD | SBS-CA1              | None | SBS-CA1 | -187.5                        |