



# NEMO EVALUATIONS REPORT

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Simon Roofing & Sheet Metal Corp. dba SR  
Products  
FL48200

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## NEMO EVALUATION REPORT (NER)



### Simon Roofing & Sheet Metal Corp. dba SR Products

70 Karago Avenue  
Youngstown, OH 44512  
(740) 704-0416

### SUBJECT: SRMG Modified Bitumen Roof Systems

**SCOPE:** This NEMO Evaluation Report (henceforth 'NER') is issued under F.A.C. [Rule 61G20-3](#) and the applicable rules and regulations governing Product Approval of construction materials in the State of Florida and ISO/IEC 17065 via [NEMO|cert.](#) NEMO Evaluations has evaluated the product described herein for compliance with the [Code sections noted herein](#).

**CODE:** 2023 Florida Building Code, 8<sup>th</sup> Edition

**FBC JURISDICTION:** Non-HVHZ and HVHZ

**NEMO CATEGORY:** Modified Bitumen

**FBC CATEGORY:** Roofing

**FBC SUB-CATEGORY:** Modified Bitumen Roof Systems

**CSI DIVISION:** 07 00 00 Thermal and Moisture Protection  
07 52 00 Modified Bituminous Sheet Roofing

**FBC METHOD:** Method 1, Option C – Codified Material, Evaluation by Evaluation Entity

**COMPLIANCE STATEMENT:** **SRMG Modified Bitumen Roof Systems**, as produced by **Simon Roofing & Sheet Metal Corp. dba SR Products**, have demonstrated compliance with the [Code sections noted herein](#) through testing in accordance with the referenced Standards, rational analysis and an ongoing quality assurance program. Compliance is subject to the [Installation Requirements](#) and [Limitations of Use](#) set forth herein.

**QUALITY ASSURANCE:** Evidence of current quality assurance shall be listing and/or labeling in accordance with the requirements of [NEMO|cert.](#)

**CONTINUED COMPLIANCE:** This NER is valid until such time the named product(s) change, the referenced Quality Assurance changes or the evaluated Code provisions change. NEMO Evaluations requires, at minimum, a complete review of this NER with each 3-year Code Cycle.

**BUILDING PERMIT REQUIREMENTS:** As required by the Building Official or Authority Having Jurisdiction to evaluate the installation of this product.

**ADVERTISEMENT:** "NEMO Evaluated" may be displayed in advertising literature. If any portion of the NER is displayed, it shall be displayed in its entirety.

**CERTIFICATION OF INDEPENDENCE:**

- ✓ NEMO CERT, LLC has not, nor does it intend to acquire or will they acquire, a financial interest in any company manufacturing or distributing products it evaluates.
- ✓ NEMO CERT, LLC is not owned, operated or controlled by any company manufacturing or distributing products it evaluates.
- ✓ This is a building code evaluation. NEMO CERT, LLC is not, in any way, the Designer of Record for any project on which this NER or previous versions thereof, is/was used for permitting or design guidance

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[LINK TO TOP OF ATTACHMENT REQUIREMENTS](#)



ISO/IEC 17065



PCA-145



ISO/IEC 17020



AA-779



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1. CODES, PROPERTIES AND STANDARDS:

| CODE                                                | SECTION            | PROPERTY                      | STANDARD                    |
|-----------------------------------------------------|--------------------|-------------------------------|-----------------------------|
| 2023 Florida Building Code, 8 <sup>th</sup> Edition | 1504.3.1           | Wind resistance               | FM 4474 or UL 1897          |
|                                                     | 1504.6             | Physical properties           | ASTM G155                   |
|                                                     | 1504.7             | Impact resistance             | FM 4470                     |
|                                                     | 1505.1, 1516.1     | Fire classification           | UL 790                      |
|                                                     | 1507.11.2, TAS 110 | Material standard             | D6163, D6164                |
|                                                     | TAS 110            | Resistance to Foot Traffic    | TAS 114, Section 8.9        |
|                                                     | TAS 110            | Wind resistance               | TAS 114, Appendix C, D or J |
|                                                     | TAS 110            | Susceptibility to Hail Damage | TAS 114, Appendix F         |
|                                                     | TAS 110            | Susceptibility to Leakage     | TAS 114, Appendix G         |





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## 2. PRODUCTS:

| TABLE 1A: EVALUATED SR PRODUCTS COMPONENTS<br>(NEMO Certified. Consult <a href="#">Directory of Certified Products</a> for production location(s)) |                       |                   |      |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------|------|-------|
| TYPE                                                                                                                                               | PRODUCT               | MATERIAL STANDARD |      |       |
|                                                                                                                                                    | NAME                  | REFERENCE         | TYPE | GRADE |
| BASE PLY MEMBRANES                                                                                                                                 | Pika Ply SS-3G (TG)   | ASTM D6163        | I    | S     |
|                                                                                                                                                    | Pika Ply 2.2 (FS)     | ASTM D6163        | I    | S     |
|                                                                                                                                                    | Pika Ply SS-3G        | ASTM D6163        | I    | S     |
|                                                                                                                                                    | Pika Ply 180 (SF)     | ASTM D6163        | I    | S     |
|                                                                                                                                                    | Pika Ply 180 (FS)     | ASTM D6164        | I    | S     |
|                                                                                                                                                    | Pika Ply SS-3P        | ASTM D6164        | I    | S     |
|                                                                                                                                                    | Pika Ply 180 (S)      | ASTM D6164        | I    | S     |
|                                                                                                                                                    | Pika Ply 180 (SF) 3.5 | ASTM D6164        | I    | S     |
|                                                                                                                                                    | Pika Ply SS-3P (TG)   | ASTM D6164        | I    | S     |
|                                                                                                                                                    | Pika Ply SA Sanded    | ASTM D6164        | I    | S     |
|                                                                                                                                                    | Pika Ply SS-4         | ASTM D6164        | II   | S     |
|                                                                                                                                                    | Pika Ply 250 S (TG)   | ASTM D6164        | II   | S     |
| CAP PLY MEMBRANES                                                                                                                                  | Pika Ply MS-4G (TG)   | ASTM D6163        | I    | G     |
|                                                                                                                                                    | Premium Cap Sheet     | ASTM D6163        | I    | G     |
|                                                                                                                                                    | Performance Ply MS FR | ASTM D6164        | I    | G     |
|                                                                                                                                                    | Pika Ply MS-4 (TG)    | ASTM D6164        | I    | G     |

| TABLE 1B: EVALUATED SR PRODUCTS COMPONENTS<br>(Contact <a href="mailto:contact@nemocert.com">contact@nemocert.com</a> for production location(s) of non-Certified products) |                         |                   |      |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------|------|-------|
| TYPE                                                                                                                                                                        | PRODUCT                 | MATERIAL STANDARD |      |       |
|                                                                                                                                                                             | NAME                    | REFERENCE         | TYPE | GRADE |
| CAP PLY MEMBRANES:                                                                                                                                                          | Pika Ply MS-4           | ASTM D6164        | II   | G     |
|                                                                                                                                                                             | Pika Ply 250 GR FR (TG) | ASTM D6164        | II   | G     |



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| TABLE 2: COMPONENTS BY OTHERS <a href="#">(4.1.3)</a><br>(Refer to current <a href="#">NOA</a> if listed version was superseded to ensure use of latest version) |                             |                                            |         |            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------------------------|---------|------------|
| TYPE                                                                                                                                                             | SR PRODUCTS                 | ACCEPTABLE ALTERNATE                       | FBC     | NOA        |
| ADHESIVES:                                                                                                                                                       | N/A                         | APOC Polyset Commercial Roof Adhesive      | FL1365  | 23-0718.11 |
|                                                                                                                                                                  | N/A                         | Trufast Roofing Adhesive                   | FL41878 | 24-0521.02 |
|                                                                                                                                                                  | N/A                         | COLPLY Adhesive                            | FL9779  | 23-1130.04 |
|                                                                                                                                                                  | Multi-Ply Adhesive SF II HP | N/A                                        | N/A     | N/A        |
|                                                                                                                                                                  | N/A                         | DUOTACK                                    | N/A     | N/A        |
|                                                                                                                                                                  | N/A                         | DUOTACK 365                                | FL9779  | 22-0929.06 |
|                                                                                                                                                                  | N/A                         | SOPRASPHALTE M                             | N/A     | N/A        |
| INSULATIONS:                                                                                                                                                     | Pika Ply Recover Board      | N/A                                        | N/A     | N/A        |
|                                                                                                                                                                  | N/A                         | ACFoam-II                                  | FL17989 | 24-1120.02 |
|                                                                                                                                                                  | N/A                         | ACFoam-III                                 | FL17989 | 24-1120.02 |
|                                                                                                                                                                  | N/A                         | ThermalStar Insulation Board (1.25 pcf)    | N/A     | N/A        |
|                                                                                                                                                                  | N/A                         | H-Shield                                   | FL5968  | 24-1021.04 |
|                                                                                                                                                                  | N/A                         | H-Shield CG                                | FL5968  | 24-1021.04 |
|                                                                                                                                                                  | N/A                         | ENRGY 3                                    | FL4205  | 24-0610.04 |
|                                                                                                                                                                  | N/A                         | ENRGY 3 CGF                                | FL4205  | 24-0610.04 |
|                                                                                                                                                                  | N/A                         | ENRGY 3 25 PSI CGF                         | FL4205  | 24-0610.04 |
|                                                                                                                                                                  | N/A                         | Fesco Board                                | FL4205  | 24-0610.04 |
|                                                                                                                                                                  | N/A                         | Multi-Max FA-3                             | FL11207 | 22-0815.03 |
|                                                                                                                                                                  | N/A                         | Ultra-Max                                  | FL11207 | 22-0815.03 |
|                                                                                                                                                                  | N/A                         | Insulfoam II Roofing EPS (1.5 pcf)         | N/A     | N/A        |
|                                                                                                                                                                  | N/A                         | Insulfoam VIII Roofing EPS (1.25 pcf)      | N/A     | N/A        |
|                                                                                                                                                                  | N/A                         | Insulfoam IX Roofing EPS (2.0 pcf)         | FL29563 | 24-1015.10 |
|                                                                                                                                                                  | N/A                         | DensDeck                                   | FL1250  | 22-1223.04 |
|                                                                                                                                                                  | N/A                         | DensDeck Prime                             | FL1250  | 22-1223.04 |
|                                                                                                                                                                  | N/A                         | DEXcell FA Glass Mat Roof Board            | FL17840 | 25-0722.11 |
|                                                                                                                                                                  | N/A                         | DEXcell Cement Roof Board                  | FL17840 | 25-0722.11 |
|                                                                                                                                                                  | N/A                         | SECUROCK Gypsum-Fiber Roof Board           | FL4264  | 25-1017.02 |
|                                                                                                                                                                  | N/A                         | Structodek HD with Primed Red Coating      | FL13792 | 23-0623.03 |
|                                                                                                                                                                  | N/A                         | Celcore Cellular Concrete                  | FL2037  | 24-0906.02 |
|                                                                                                                                                                  | N/A                         | Concrecel Lightweight Insulating Concrete  | FL5584  | 21-1229.06 |
|                                                                                                                                                                  | N/A                         | Elastizell Lightweight Insulating Concrete | FL4994  | 23-0817.05 |
|                                                                                                                                                                  | N/A                         | Mearlcrete                                 | FL13492 | 24-0514.06 |
| MECHANICAL FASTENERS:                                                                                                                                            | N/A                         | Dekfast DF-#12-PH3                         | FL20311 | 22-0913.02 |
|                                                                                                                                                                  | N/A                         | Dekfast DF-#14-PH3                         | FL20311 | 22-0913.02 |
|                                                                                                                                                                  | N/A                         | Dekfast DF-#15-PH3                         | FL20311 | 22-0913.02 |
|                                                                                                                                                                  | N/A                         | Dekfast PLT-R-2-4B                         | FL20311 | 22-0913.02 |
|                                                                                                                                                                  | N/A                         | Dekfast PLT-R-2-3/8-6B                     | FL20311 | 22-0913.02 |
|                                                                                                                                                                  | N/A                         | Dekfast PLT-R-3                            | FL20311 | 22-0913.02 |
|                                                                                                                                                                  | N/A                         | Dekfast PLT-H-2-7/8                        | FL20311 | 22-0913.02 |
|                                                                                                                                                                  | N/A                         | Tri-Fixx Fastener and Stress Plate         | N/A     | N/A        |



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|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------|---------------------|---------------------|
| TYPE                                                                                                                                                             | SR PRODUCTS | ACCEPTABLE ALTERNATE                     | <a href="#">FBC</a> | <a href="#">NOA</a> |
| MECHANICAL FASTENERS (CONTINUED):                                                                                                                                | N/A         | Trufast #12 DP                           | FL4500              | 25-0129.08          |
|                                                                                                                                                                  | N/A         | Trufast #14 HD                           | FL4500              | 25-0129.08          |
|                                                                                                                                                                  | N/A         | Trufast #15 EHD                          | FL4500              | 25-0129.08          |
|                                                                                                                                                                  | N/A         | Trufast 2" Barbed Metal Seam Plate       | FL4500              | 25-0129.08          |
|                                                                                                                                                                  | N/A         | Trufast 2.4" Scoop Seam Plate            | FL4500              | 25-0129.08          |
|                                                                                                                                                                  | N/A         | Trufast 3" Metal Insulation Plate        | FL4500              | 25-0129.08          |
|                                                                                                                                                                  | N/A         | Trufast Flat or Recessed Batten Bar      | FL4500              | 25-0129.08          |
|                                                                                                                                                                  | N/A         | Trufast FM-90 Base Sheet Fastener        | FL4500              | 25-0129.08          |
|                                                                                                                                                                  | N/A         | Trufast Twin Loc-Nail Assembled Fastener | FL4500              | 25-0129.08          |
|                                                                                                                                                                  | N/A         | OMG #12 Standard Roofgrip                | FL699               | 24-0627.03          |
|                                                                                                                                                                  | N/A         | OMG #14 Heavy Duty                       | FL699               | 24-0627.03          |
|                                                                                                                                                                  | N/A         | OMG #15 Roofgrip Large Head              | FL699               | 24-0627.03          |
|                                                                                                                                                                  | N/A         | OMG CD-10                                | FL699               | 24-0627.03          |
|                                                                                                                                                                  | N/A         | OMG 3" Galvalume Steel Plate             | FL699               | 24-0627.03          |
|                                                                                                                                                                  | N/A         | OMG AccuTrac Plate                       | FL699               | 24-0627.03          |
|                                                                                                                                                                  | N/A         | OMG AccuTrac Flat Bottom                 | FL699               | 24-0627.03          |
|                                                                                                                                                                  | N/A         | OMG CR Assembled Base Sheet Fastener     | FL699               | 24-0627.03          |
|                                                                                                                                                                  | N/A         | ACE #12 Fastener                         | FL41667             | 25-0402.11          |
|                                                                                                                                                                  | N/A         | ACE #15 Fastener                         | FL41667             | 25-0402.11          |
|                                                                                                                                                                  | N/A         | ACE 3" BE Insulation Plate               | FL41667             | 25-0402.11          |
|                                                                                                                                                                  | N/A         | ACE 3" WW Insulation Plate               | FL41667             | 25-0402.11          |
| PRIMERS:                                                                                                                                                         | N/A         | TruGround Conductive Primer              | N/A                 | N/A                 |
|                                                                                                                                                                  | N/A         | ELASTOCOL 500                            | FL9779              | 23-1130.04          |
|                                                                                                                                                                  | N/A         | ELASTOCOL Stick                          | FL9779              | 23-1130.04          |
|                                                                                                                                                                  | N/A         | ELASTOCOL Stick Zero                     | FL9779              | 23-1130.04          |
|                                                                                                                                                                  | N/A         | ELASTOCOL Stick LVOC                     | N/A                 | 23-1130.04          |
| VAPOR BARRIERS:                                                                                                                                                  | N/A         | SOPRAVAP'R                               | N/A                 | 24-0610.08          |



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## 3. INSTALLATION:

3.1 **SRMG Modified Bitumen Roof Systems** shall be installed in accordance with **Simon Roofing & Sheet Metal Corp. dba SR Products**, published installation instructions, subject to the [Limitations of Use](#) noted herein.

3.1.1 **Fasteners:** Unless otherwise noted, fasteners and stress plates shall be as follows. Recessed plates are not for use with hardboard (e.g., gypsum-based or cement) insulations. Fasteners shall be of sufficient length for the following engagements.

| TABLE 3: FASTENER REFERENCES |                                                                                                                                                                                                                                                |                                                                         |                                                                   |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------|
| ROOF DECK                    | PARTS                                                                                                                                                                                                                                          |                                                                         | FASTENER ENGAGEMENT                                               |
|                              | FASTENERS                                                                                                                                                                                                                                      | PLATES                                                                  |                                                                   |
| STEEL                        | Dekfast DF-#12-PH3, Dekfast DF-#14-PH3, Dekfast DF-#15-PH3, Trufast #12 DP, Trufast #14 HD or Trufast #15 EHD                                                                                                                                  | Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate                    | Min. 0.75-inch penetration                                        |
|                              | ACE #12 Fastener, Ace #14 Fastener or ACE #15 Fastener                                                                                                                                                                                         | ACE 3" BE Insulation Plate or ACE 3" WW Insulation Plate                |                                                                   |
|                              | <i>Note: Ace parts are limited to use with polyisocyanurate insulation, Pika Ply Recover Board, DEXcell Cement Roof Board, SECUROCK Cement Roof Board, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board</i> |                                                                         |                                                                   |
|                              | OMG #12 Standard Roofgrip or OMG #14 Heavy Duty                                                                                                                                                                                                | OMG 3 in. Galvalume Steel Plate, AccuTrac Plate or AccuTrac Flat Bottom |                                                                   |
| STRUCTURAL CONCRETE          | Dekfast DF-#14-PH3, Trufast #14 HD                                                                                                                                                                                                             | Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate                    | Non-HVHZ: Min. 1-inch embedment<br>HVHZ: Min. 1.25-inch embedment |
|                              | ACE #14 Fastener or ACE #15 Fastener                                                                                                                                                                                                           | ACE 3" BE Insulation Plate or ACE 3" WW Insulation Plate                |                                                                   |
|                              | <i>Note: Ace parts are limited to use with polyisocyanurate insulation, Pika Ply Recover Board, DEXcell Cement Roof Board, SECUROCK Cement Roof Board, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board</i> |                                                                         |                                                                   |
|                              | OMG #14 Heavy Duty                                                                                                                                                                                                                             | OMG 3 in. Galvalume Steel Plate, AccuTrac Plate or AccuTrac Flat Bottom |                                                                   |
|                              | OMG CD-10                                                                                                                                                                                                                                      | OMG 3 in. Galvalume Steel Plate                                         |                                                                   |



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## 3.1.2 Insulation:

- (a) Unless otherwise noted, insulation may be any one layer or combination of Approved board(s) that meet IBC 1505, IBC R902, FBC 1505, FBC R902 or FBC HVHZ 1516 and, for foam plastic, IBC/FBC Chapter 26, when installed with the roof cover.
- (b) For Structural Concrete Deck or Recover Applications using System Type C-1 the base insulation layer is optional, and using System Type C-2, D-1 or D-2, the insulation is optional. Alternatively, an Approved insulation board or coverboard may be used as a separation layer. Board products shall be preliminarily attached prior to roof cover installation. The separator component shall be documented as meeting IBC 1505, IBC R902, FBC 1505, FBC R902 or FBC HVHZ 1516 and, for foam plastic, FBC Chapter 26, when installed with the roof cover in Recover applications.
- (c) Minimum 200 psi, minimum 2-inch thick 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 applicable Code requirements to the satisfaction of the Authority Having Jurisdiction. This is a wind uplift resistance allowance and does not purport to address non-wind-uplift-related issues, such as deck venting or moisture levels within the LWIC and the potential effect on overlying components.
- (d) Lightweight insulating concrete (LWIC) shall be cast in accordance with FBC 1917 to the satisfaction of the Authority Having Jurisdiction. For systems where specific LWIC is referenced, refer to current LWIC [Florida Product Approval](#) or [NOA](#) 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 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.
- (e) Unless otherwise noted, rigid board insulation or coverboard attachment patterns for Type B-1, B-2 and C-1 systems are as outlined below.



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**TABLE 4A: INSULATION ATTACHMENT PATTERNS – 4x4 FT BOARDS**

| 1 per 4.0 ft <sup>2</sup> (4 per board)   | 1 per 3.2 ft <sup>2</sup> (5 per board)  | 1 per 2.7 ft <sup>2</sup> (6 per board)  |
|-------------------------------------------|------------------------------------------|------------------------------------------|
|                                           |                                          |                                          |
| 1 per 2.0 ft <sup>2</sup> (8 per board)   | 1 per 1.8 ft <sup>2</sup> (9 per board)  | 1 per 1.6 ft <sup>2</sup> (10 per board) |
|                                           |                                          |                                          |
| 1 per 1.45 ft <sup>2</sup> (11 per board) | 1 per 1.3 ft <sup>2</sup> (12 per board) | 1 per 1.0 ft <sup>2</sup> (16 per board) |
|                                           |                                          |                                          |



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TABLE 4B: INSULATION ATTACHMENT PATTERNS – 4x8 FT BOARDS

| 1 per 4.0 ft <sup>2</sup> (8 per board)  | 1 per 3.2 ft <sup>2</sup> (10 per board)      | 1 per 2.7 ft <sup>2</sup> (12 per board) | 1 per 2.3 ft <sup>2</sup> (14 per board)  |
|------------------------------------------|-----------------------------------------------|------------------------------------------|-------------------------------------------|
|                                          |                                               |                                          |                                           |
| 1 per 2.0 ft <sup>2</sup> (16 per board) | 1 per 1.8 ft <sup>2</sup> (18 per board).5 ft | 1 per 1.6 ft <sup>2</sup> (20 per board) | 1 per 1.45 ft <sup>2</sup> (22 per board) |
|                                          |                                               |                                          |                                           |
| 1 per 1.3 ft <sup>2</sup> (24 per board) | 1 per 1.0 ft <sup>2</sup> (32 per board)      |                                          |                                           |
|                                          |                                               |                                          |                                           |



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(f) Preliminary insulation attachment for Type D-1 or D-2 systems:

- IBC or FBC Non-HVHZ: Unless otherwise noted, use Approved roofing fasteners and plates and refer to Section 2.2.10.1.3 of [FM Loss Prevention Data Sheet 1-29](#).
- FBC HVHZ: Unless otherwise noted, use FBC HVHZ Approved roofing fasteners and plates; minimum four fasteners per 4 x 8 ft board or minimum two fasteners per 4 x 4 ft board.

3.1.3 Insulation Adhesives:

- (a) Unless otherwise noted, insulation adhesive application rate is continuous ribbons, maximum 12-inch o.c. Ribbons shall be applied and insulation boards shall be set in accordance with the manufacturer's published instructions. When multiple layers(s) of insulation and/or coverboard are installed in ribbon-applied adhesive, boards shall be staggered from layer-to-layer. 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. Concrete deck shall be primed with ASTM D41 primer prior to asphalt-application.

| TABLE 5A: INSULATION ADHESIVE REFERENCES |                                                        |                                                                                                                                                                                      |
|------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ADHESIVE                                 | MINIMUM RATE                                           | NOTE                                                                                                                                                                                 |
| DUOTACK                                  | Continuous 0.5 to 0.75-inch wide ribbons, 12-inch o.c. | DUOTACK 365 may be used anywhere DUOTACK is referenced. When adhered using DUOTACK 365, min. 0.5-inch thick polyisocyanurate insulation may be substituted as the minimum thickness. |
| DUOTACK 365                              | Continuous 0.5 to 0.75-inch wide ribbons, 12-inch o.c. |                                                                                                                                                                                      |
| APOC Polyset Commercial Roof Adhesive    | Continuous 2.5-3.5 wide ribbons, 12-inch o.c.          |                                                                                                                                                                                      |
| Trufast Roofing Adhesive                 | Continuous 0.75 to 1-inch wide ribbons, 12-inch o.c.   |                                                                                                                                                                                      |
| ASTM D312, Type IV asphalt               | hot asphalt                                            | Full-coverage at 25-30 lbs/square                                                                                                                                                    |

- (b) Unless otherwise noted, all adhered 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 selected assembly.

| TABLE 5B: MDP LIMITATIONS FOR TAPERED POLYISOCYANURATE INSULATIONS |                                                  |                             |           |
|--------------------------------------------------------------------|--------------------------------------------------|-----------------------------|-----------|
| ADHESIVE                                                           | INSULATION                                       | MIN. TAPERED THICKNESS (IN) | MDP (PSF) |
| DUOTACK, 12-inch o.c.                                              | Any polyisocyanurate listed with adhesive herein | 0.5                         | -157.5    |
| DUOTACK 365, 12-inch o.c.                                          | Any polyisocyanurate listed with adhesive herein | 0.5                         | -459.5    |
| DUOTACK 365, 4-inch o.c.                                           | Any polyisocyanurate listed with adhesive herein | 0.5                         | -485.0    |
| APOC Polyset Commercial Roof Adhesive, 12-inch o.c.                | Any polyisocyanurate listed with adhesive herein | 0.5                         | -485.0    |
| APOC Polyset Commercial Roof Adhesive, 4-inch o.c.                 | Any polyisocyanurate listed with adhesive herein | 0.5                         | -745.0    |

(c) Adhered Insulation, Board Size:

- IBC and FBC non-HVHZ: Unless otherwise noted, refer to Section 2.2.10.6.2 of [FM Loss Prevention Data Sheet 1-29](#).
- FBC HVHZ: Bonded polyisocyanurate insulation boards shall be maximum 4 x 4 ft.



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## 3.1.4 Roof Covers:

(a) For bonded membrane applications, unless otherwise noted, refer to the following.

| TABLE 6: MEMBRANE / ADHESIVE COMBINATIONS |                                                                                                                                                        |                                                                                                               |                                                                         |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| REFERENCE                                 | LAYER                                                                                                                                                  | MATERIAL                                                                                                      | APPLICATION                                                             |
| SBS-CA2                                   | Base Ply:                                                                                                                                              | Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply 180 (FS) ✧, Pika Ply SS-4                                          | Multi-Ply Adhesive SF II HP, 0.5 to 1-inch wide ribbons spaced as noted |
|                                           | Cap Ply:                                                                                                                                               | Performance Ply MS FR, Pika Ply MS-4                                                                          |                                                                         |
| SBS-CA3                                   | Base Ply or Ply:                                                                                                                                       | Pika Ply SS-3G, Pika Ply 2.2 (FS) ✧, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply 180 (FS) ✧, Pika Ply SS-4     | Multi-Ply Adhesive SF II HP at 1.5 – 2.5 gal/square                     |
|                                           | Cap Ply:                                                                                                                                               | Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4                                                       |                                                                         |
| SBS-CA4                                   | Base Ply or Ply:                                                                                                                                       | Pika Ply SS-3G, Pika Ply 2.2 (FS) ✧, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply 180 (FS) ✧, Pika Ply SS-4     | COLPLY Adhesive at 1.5 - 2 gal/square                                   |
|                                           | Cap Ply:                                                                                                                                               | Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4                                                       |                                                                         |
| SBS-AA                                    | Base Ply or Ply:                                                                                                                                       | Pika Ply 2.2 (FS) ✧, Pika Ply 180 (S), Pika Ply SS-3P, Pika Ply SS-4                                          | Hot asphalt at 20-40 lbs/square                                         |
|                                           | Cap Ply:                                                                                                                                               | Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4                                                       |                                                                         |
| SBS-AA2                                   | Base Ply or Ply:                                                                                                                                       | Pika Ply SS-3G, Pika Ply 2.2 (FS) ✧, Pika Ply 180 (S), Pika Ply 180 (S), Pika Ply 180 (FS) ✧, Pika Ply SS-4   | SOPRASPHALTE M at 25 lbs/square                                         |
|                                           | Cap Ply:                                                                                                                                               | Premium Cap Sheet, Performance Ply MS FR, Pika Ply MS-4                                                       |                                                                         |
| SBS-TAF                                   | Base Ply or Ply:                                                                                                                                       | Pika Ply SS-3G (TG) ✧, Pika Ply 180 (SF), Pika Ply SS-3P (TG) ✧, Pika Ply 180 (SF) 3.5, Pika Ply 250 S (TG) ✧ | Torch-Applied, Full Bond                                                |
|                                           | Cap Ply:                                                                                                                                               | Pika Ply MS-4G (TG), Pika Ply MS-4 (TG), Pika Ply 250 GR FR (TG)                                              |                                                                         |
| SBS-SA1                                   | Base Ply or Ply:                                                                                                                                       | Pika Ply SA Sanded                                                                                            | Self-Adhering, Full Bond                                                |
| Notes:                                    | Base Ply and Ply membranes marked with an asterisk (✧) have a poly-film top surface, and require installation of a torch-applied membrane overtop.     |                                                                                                               |                                                                         |
|                                           | Sand-surfaced membranes may be optionally primed with ELASTOCOL 500 prior to application of subsequent SBS-CA3, SBS-CA4 or SBS-TAF membranes.          |                                                                                                               |                                                                         |
|                                           | Pika Ply Recover Board may be optionally primed with Detec Systems "TruGround Conductive Primer" prior to application of SBS-CA3 or SBS-TAF membranes. |                                                                                                               |                                                                         |

(b) Installations:

Insulation is required in New Construction or Re-Roof (Tear-Off), Steel Deck applications. Insulation is optional in New Construction or Re-Roof (Tear-Off), Wood, Structural Concrete or Recover applications. Insulation shall not be installed atop New Construction, Lightweight Insulating Concrete Decks.

Top layer of insulation shall be preliminarily attached.

(c) The following surfacing may be applied to the Cap Ply without adverse effect on the system wind load performance. Refer to [Section 4.1.4](#) herein.

| TABLE 7: SURFACING OPTIONS |                                                                                                          |
|----------------------------|----------------------------------------------------------------------------------------------------------|
| OPTION #                   | SURFACING                                                                                                |
| SURF-1.                    | Flood coat of hot asphalt at 60 lbs/square followed by embedded gravel at 400 lbs/square.                |
| SURF-2.                    | COLPLY Adhesive or COLPY EF Adhesive at 3 to 4 gal/square followed by embedded gravel at 400 lbs/square. |

## 3.1.5 Vapor Barriers:

(a) For System Types B-1, B-2, C-1, C-2, D-1 or D-2, an optional thermal barrier and/or SOPRAVAP'R vapor barrier membrane may be installed atop the roof deck prior to installation of the insulation and roof cover. Refer to [FM Loss Prevention Data Sheet 1-29](#) for design and installation recommendations and limitations.

(b) Refer to [Section 4.3](#) herein for options where the vapor barrier forms part of the load path.



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## 4. LIMITATIONS OF USE:

### 4.1 General:

4.1.1 This is a building code evaluation. NEMO CERT, LLC is not, in any way, the Designer of Record for any project on which this NER or previous versions thereof, is/was used for permitting or design guidance. NERs are not to be construed as representing any attributes not specifically listed, nor are NERs to be construed as an endorsement of the subject of the report or a recommendation for its use. There is no warranty by NEMO CERT, LLC, express or implied, as to any finding or other matter in this report or as to any product covered by the report.

### 4.1.2 Roof Decks:

- (a) This NER pertains to above-deck roof components. Roof decks and structural members shall be in accordance with applicable Code requirements to the satisfaction of the Authority Having Jurisdiction.
- (b) OSB sheathing is not permitted in FBC HVHZ jurisdictions.
- (d) Unless otherwise noted, reference to 'structural concrete' pertains to min. 2,500 psi structural concrete, and excludes 'structural lightweight concrete'.
- (e) The table below lists various 'as-tested' deck conditions in accordance with [Testing Application Standard](#) TAS 114(J). Steel deck stress analysis is the responsibility of others to the satisfaction of the Authority Having Jurisdiction.

**TABLE 8: AS-TESTED DECK ATTACHMENT DETAILS (TAS 114, APPENDIX J)**

| TYPE                             | AS TESTED SUB-ASSEMBLY |                                               |                     |           |
|----------------------------------|------------------------|-----------------------------------------------|---------------------|-----------|
|                                  | SPAN (INCH O.C.)       | FASTENER                                      | SPACING (INCH O.C.) | MDP (psf) |
| 15/32-inch APA rated CDX plywood | 24                     | 8d ring shank nails                           | 6                   | -52.5     |
|                                  | 24                     | #10 wood screws                               | 6                   | -90.0     |
|                                  | 24                     | #10 wood screws                               | 4                   | -105.0    |
| 19/32-inch APA rated CDX plywood | 24                     | 8d ring shank nails                           | 6                   | -67.5     |
|                                  | 24                     | #8 wood screws                                | 6                   | -97.5     |
| 22 ga., Type B, Grade 33 steel   | 72                     | #12 HWH Tek 5                                 | 6                   | -82.5     |
|                                  | 72                     | #12 HWH Tek 5 with 3/4" steel washers         | 6                   | -112.5    |
|                                  | 72                     | Two (2) #12 HWH Tek 5 with 3/4" steel washers | 6                   | -172.5    |
| 22 ga., Type B, Grade 40 steel   | 72                     | #12 HWH Tek 5                                 | 6                   | -82.5     |
|                                  | 72                     | #12 HWH Tek 5 with 3/4" washers               | 6                   | -127.5    |
| 22 ga., Type B, Grade 80 steel   | 72                     | #12 HWH Tek 5                                 | 6                   | -135.0    |
|                                  | 72                     | #12 HWH Tek 5 with 3/4" steel washers         | 6                   | -142.5    |
|                                  | 72                     | Two (2) #12 HWH Tek 5                         | 6                   | -127.5    |
|                                  | 72                     | Two (2) #12 HWH Tek 5 with 3/4" steel washers | 6                   | -172.5    |
|                                  | 66                     | Two (2) #12 HWH Tek 5 with 3/4" steel washers | 6                   | -180.0    |
|                                  | 60                     | Two (2) #12 HWH Tek 5 with 3/4" steel washers | 6                   | -202.5    |
| 20 ga., Type B, Grade 80 steel   | 72                     | Two (2) #12 HWH Tek 5 with 3/4" steel washers | 6                   | -195.0    |
| 18 ga., Type B, Grade 80 steel   | 72                     | Two (2) #12 HWH Tek 5 with 3/4" steel washers | 6                   | -202.5    |

### 4.1.3 Fire Classification:

- (a) Refer to **IBC / FBC 1505, FBC HVHZ 1516, UL TGFU.R11643** and the fire classification certificate for the roof cover manufacturer for requirements and limitations regarding roof assembly fire classification.
- (b) Refer to **FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.

### 4.1.4 Quality Assurance:

All components in the roof assembly shall have quality assurance surveillance in accordance with **F.A.C. Rule 61G20-3**. For components listed herein that are produced by a manufacturer other than the report holder on [Page 1](#) of this NER, refer to the supporting evidence held by the component manufacturer.



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## 4.2 Jurisdiction Specific:

| IBC and FBC Non-HVHZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FBC HVHZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>4.2.1 This NER does not include evaluation of roof edge termination. Refer to <b>IBC 1504.6</b> or <b>FBC 1504.5</b> for requirements and limitations regarding edge securement for low-slope roofs.</p> <p>4.2.2 Refer to <b>IBC 1512</b> or <b>FBC 1511</b> for requirements and limitations regarding recover installations.</p> <p>(a) For mechanical attachment to existing roof decks, fasteners shall be tested for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with <a href="#">ANSI/SPRI FX-1</a> or <a href="#">TAS 105</a>.</p> <p>(b) For adhered re-roof (tear off) installation, the existing substrate shall be examined for compatibility with the adhesive. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with <a href="#">ANSI/SPRI IA-1</a>, <a href="#">FM Loss Prevention Data Sheet 1-52</a> or <a href="#">TAS 124</a> shall be conducted on mock-ups of the proposed interface.</p> <p>(c) For adhered recover installation, the existing roof system shall meet project design pressure requirements on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with <a href="#">FM Loss Prevention Data Sheet 1-52</a> or <a href="#">TAS 124</a>.</p> | <p>This NER does not include evaluation of roof edge termination. Refer to <a href="#">RAS 111</a> for requirements and limitations regarding edge securement for low-slope roofs.</p> <p>Refer to <b>FBC HVHZ 1521</b> for requirements and limitations regarding recover installations.</p> <p>For mechanical attachment to existing roof decks, fasteners shall be tested for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with <a href="#">TAS 105</a>.</p> <p>For adhered re-roof (tear off) installation, the existing substrate shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with <a href="#">TAS 124</a> shall be conducted on mock-ups of the proposed interface.</p> <p>For adhered recover installation, the existing roof system shall meet project design pressure requirements on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with <a href="#">TAS 124</a>.</p> |
| <p>4.2.3 <u>Wind Load Resistance:</u></p> <p>(a) Refer to <a href="#">Section 4.3</a> for a tabulated summary of assembly listings and maximum allowable design pressures.</p> <p>(b) “MDP” = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety per <b>FBC 1504.9</b> has already been applied). Refer to <b>IBC / FBC 1609</b> for determination of design wind loads.</p> <p>(c) The MDP for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with <b>IBC / FBC Chapter 16</b>. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are <a href="#">ANSI/SPRI WD1</a>, <a href="#">FM Loss Prevention Data Sheet 1-29</a>, <a href="#">RAS 117</a> and <a href="#">RAS 137</a>. Assemblies marked with an asterisk* carry the limitations set forth in <b>Section 2.2.10.1 of FM Loss Prevention Data Sheet 1-29</b> for Zone 2/3 enhancements.</p> <p>(d) For fully-adhered installations, the maximum design pressure for the selected assembly shall meet or exceed the critical design pressure. Rational analysis is not permitted.</p>                                                                                | <p>“MDP” = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety per <a href="#">TAS 114</a> has already been applied). Refer to <b>FBC HVHZ 1620</b> or <a href="#">RAS 128</a> for determination of design wind loads.</p> <p>Assemblies having a MDP &lt; 45.0 psf are not permitted in FBC HVHZ jurisdictions. The MDP for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with <b>FBC HVHZ 1620</b> or <a href="#">RAS 128</a>. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Analysis shall be in accordance with <a href="#">RAS 117</a> or <a href="#">RAS 137</a>.</p> <p>For assemblies marked with an asterisk*, the maximum design pressure (MDP) limitation shall be applicable to all roof pressure zones. Rational analysis is not permitted.</p>                                                                                                                                                              |

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**4.3 System Listings and Allowable Design Pressures:** See [Section 4.2.3](#)4.3.1 **Thermal Barriers / Vapor Barriers:** The lesser of the MDP listings below vs. that for the selected roof assembly from [Section 4.3.2](#) applies.(a) **Steel Decks:**

| TABLE VB-2: STEEL DECK                                         |                                        |                                                                               |                                                                                                                  |                                    |               |                                                |                      |                                                                                           |              |
|----------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------|------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------|--------------|
| THERMAL BARRIER / VAPOR BARRIER FOLLOWED BY ADHERED INSULATION |                                        |                                                                               |                                                                                                                  |                                    |               |                                                |                      |                                                                                           |              |
| OPTION #                                                       | DECK <a href="#">(4.1.2)</a>           | THERMAL BARRIER                                                               |                                                                                                                  |                                    | PRIMER        | VAPOR BARRIER <a href="#">(3.1.4)</a>          |                      | ADHESIVE PER<br>TABLE <a href="#">2A</a> OR <a href="#">2B</a><br><a href="#">(3.1.3)</a> | MDP<br>(psf) |
|                                                                |                                        | TYPE                                                                          | FASTENER <a href="#">(4.2.2)</a> OR ADHESIVE <a href="#">(3.1.3)</a>                                             | ATTACH<br><a href="#">(3.1.2E)</a> |               | BASE PLY                                       | CAP PLY<br>(GRANULE) |                                                                                           |              |
| S-TB/VB-1.                                                     | Min. 22 ga., Type B,<br>Grade 33 steel | Min. 0.5-inch DensDeck, DensDeck Prime or<br>SECUROCK Gypsum-Fiber Roof Board | Dekfast DF-#14-PH3 or Trufast #14<br>HD Fastener with Dekfast PLT-R-3<br>or Trufast 3" Metal Insulation<br>Plate | 1 per<br>4.0 ft <sup>2</sup>       | None          | SBS-CA3, SBS-<br>CA4 or SBS-AA<br>(sanded top) | None                 | DUOTACK                                                                                   | -45.0*       |
| S-TB/VB-2.                                                     | Min. 22 ga., Type B,<br>Grade 33 steel | Min. 0.5-inch DensDeck, DensDeck Prime or<br>SECUROCK Gypsum-Fiber Roof Board | Dekfast DF-#14-PH3 or Trufast #14<br>HD Fastener with Dekfast PLT-R-3<br>or Trufast 3" Metal Insulation<br>Plate | 1 per<br>4.0 ft <sup>2</sup>       | None          | (Optional) SBS-<br>CA3                         | SBS-CA3              | DUOTACK 365                                                                               | -45.0*       |
| S-TB/VB-3.                                                     | Min. 22 ga., Type B,<br>Grade 33 steel | Min. 0.5-inch DensDeck, DensDeck Prime or<br>SECUROCK Gypsum-Fiber Roof Board | Dekfast DF-#14-PH3 or Trufast #14<br>HD Fastener with Dekfast PLT-R-3<br>or Trufast 3" Metal Insulation<br>Plate | 1 per<br>4.0 ft <sup>2</sup>       | None          | (Optional) SBS-<br>CA4                         | SBS-CA4              | DUOTACK 365                                                                               | -45.0*       |
| S-TB/VB-4.                                                     | Min. 22 ga., Type B,<br>Grade 33 steel | 0.25-inch DEXcell FA Glass Mat Roof Board                                     | Dekfast DF-#14-PH3 or Trufast #14<br>HD Fastener with Dekfast PLT-R-3<br>or Trufast 3" Metal Insulation<br>Plate | 1 per<br>4.0 ft <sup>2</sup>       | None          | SBS-CA3 (sanded<br>top)                        | None                 | DUOTACK                                                                                   | -45.0*       |
| S-TB/VB-5.                                                     | Min. 22 ga., Type B,<br>Grade 33 steel | 0.25-inch DEXcell FA Glass Mat Roof Board                                     | Dekfast DF-#14-PH3 or Trufast #14<br>HD Fastener with Dekfast PLT-R-3<br>or Trufast 3" Metal Insulation<br>Plate | 1 per<br>4.0 ft <sup>2</sup>       | None          | (Optional) SBS-<br>CA3                         | SBS-CA3              | DUOTACK 365                                                                               | -45.0*       |
| S-TB/VB-6.                                                     | Min. 22 ga., Type B,<br>Grade 33 steel | Min. 0.5-inch DensDeck, DensDeck Prime or<br>SECUROCK Gypsum-Fiber Roof Board | Dekfast DF-#14-PH3 or Trufast #14<br>HD Fastener with Dekfast PLT-R-3<br>or Trufast 3" Metal Insulation<br>Plate | 1 per<br>4.0 ft <sup>2</sup>       | ELASTOCOL 500 | SBS-TAF (sanded<br>top)                        | None                 | DUOTACK                                                                                   | -45.0*       |
| S-TB/VB-7.                                                     | Min. 22 ga., Type B,<br>Grade 33 steel | Min. 0.5-inch DensDeck, DensDeck Prime or<br>SECUROCK Gypsum-Fiber Roof Board | Dekfast DF-#14-PH3 or Trufast #14<br>HD Fastener with Dekfast PLT-R-3<br>or Trufast 3" Metal Insulation<br>Plate | 1 per<br>4.0 ft <sup>2</sup>       | ELASTOCOL 500 | (Optional) SBS-<br>TAF                         | SBS-TAF              | DUOTACK 365                                                                               | -45.0*       |
| S-TB/VB-8.                                                     | Min. 22 ga., Type B,<br>Grade 33 steel | 0.25-inch DEXcell FA Glass Mat Roof Board                                     | Dekfast DF-#14-PH3 or Trufast #14<br>HD Fastener with Dekfast PLT-R-3<br>or Trufast 3" Metal Insulation<br>Plate | 1 per<br>4.0 ft <sup>2</sup>       | None          | SBS-TAF (sanded<br>top)                        | None                 | DUOTACK                                                                                   | -45.0*       |
| S-TB/VB-9.                                                     | Min. 22 ga., Type B,<br>Grade 33 steel | 0.25-inch DEXcell FA Glass Mat Roof Board                                     | Dekfast DF-#14-PH3 or Trufast #14<br>HD Fastener with Dekfast PLT-R-3<br>or Trufast 3" Metal Insulation<br>Plate | 1 per<br>4.0 ft <sup>2</sup>       | None          | (Optional) SBS-<br>TAF                         | SBS-TAF              | DUOTACK 365                                                                               | -45.0*       |

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**TABLE VB-2: STEEL DECK**  
**THERMAL BARRIER / VAPOR BARRIER FOLLOWED BY ADHERED INSULATION**

| OPTION #    | DECK (4.1.2)                           | THERMAL BARRIER                                                                                                                                        |                                                                                                                  |                              | PRIMER                                                                 | VAPOR BARRIER (3.1.4)                    |                      | ADHESIVE PER<br>TABLE 2A OR 2B<br>(3.1.3) | MDP<br>(PSF) |
|-------------|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------------------------------------------|------------------------------------------|----------------------|-------------------------------------------|--------------|
|             |                                        | TYPE                                                                                                                                                   | FASTENER (4.2.2) OR ADHESIVE (3.1.3)                                                                             | ATTACH<br>(3.1.2E)           |                                                                        | BASE PLY                                 | CAP PLY<br>(GRANULE) |                                           |              |
| S-TB/VB-10. | Min. 22 ga., Type B,<br>Grade 33 steel | Min. 0.5-inch DensDeck, DensDeck Prime or<br>SECUROCK Gypsum-Fiber Roof Board                                                                          | Dekfast DF-#14-PH3 or Trufast #14<br>HD Fastener with Dekfast PLT-R-3<br>or Trufast 3" Metal Insulation<br>Plate | 1 per<br>4.0 ft <sup>2</sup> | ELASTOCOL Stick,<br>ELASTOCOL Stick<br>Zero or ELASTOCOL<br>Stick LVOC | SOPRAVAP'R or<br>SBS-SA1 (sanded<br>top) | None                 | DUOTACK                                   | -45.0*       |
| S-TB/VB-11. | Min. 22 ga., Type B,<br>Grade 33 steel | Min. 0.5-inch DensDeck, DensDeck Prime or<br>SECUROCK Gypsum-Fiber Roof Board                                                                          | Dekfast DF-#14-PH3 or Trufast #14<br>HD Fastener with Dekfast PLT-R-3<br>or Trufast 3" Metal Insulation<br>Plate | 1 per<br>4.0 ft <sup>2</sup> | ELASTOCOL Stick,<br>ELASTOCOL Stick<br>Zero or ELASTOCOL<br>Stick LVOC | (Optional) SBS-<br>SA1                   | SBS-TAF              | DUOTACK 365                               | -45.0*       |
| S-TB/VB-12. | Min. 22 ga., Type B,<br>Grade 33 steel | 0.25-inch DEXcell FA Glass Mat Roof Board                                                                                                              | Dekfast DF-#14-PH3 or Trufast #14<br>HD Fastener with Dekfast PLT-R-3<br>or Trufast 3" Metal Insulation<br>Plate | 1 per<br>4.0 ft <sup>2</sup> | ELASTOCOL Stick,<br>ELASTOCOL Stick<br>Zero or ELASTOCOL<br>Stick LVOC | SOPRAVAP'R or<br>SBS-SA1 (sanded<br>top) | None                 | DUOTACK                                   | -45.0*       |
| S-TB/VB-13. | Min. 22 ga., Type B,<br>Grade 33 steel | 0.25-inch DEXcell FA Glass Mat Roof Board                                                                                                              | Dekfast DF-#14-PH3 or Trufast #14<br>HD Fastener with Dekfast PLT-R-3<br>or Trufast 3" Metal Insulation<br>Plate | 1 per<br>4.0 ft <sup>2</sup> | ELASTOCOL Stick,<br>ELASTOCOL Stick<br>Zero or ELASTOCOL<br>Stick LVOC | (Optional) SBS-<br>SA1                   | SBS-TAF              | DUOTACK 365                               | -45.0*       |
| S-TB/VB-14. | 22 ga., Type B,<br>Grade 40 steel      | Min. 0.5-inch DEXcell FA Glass Mat Roof<br>Board or min. 7/16-inch DEXcell Cement<br>Roof Board                                                        | DUOTACK 365                                                                                                      | 12-inch<br>o.c.              | None                                                                   | SBS-AA or SBS-<br>TAF (sanded top)       | None                 | DUOTACK                                   | -45.0*       |
| S-TB/VB-15. | 22 ga., Type B,<br>Grade 40 steel      | Min. 0.5-inch DEXcell FA Glass Mat Roof<br>Board or min. 7/16-inch DEXcell Cement<br>Roof Board                                                        | DUOTACK 365                                                                                                      | 12-inch<br>o.c.              | None                                                                   | (Optional) SBS-<br>TAF                   | SBS-TAF              | DUOTACK 365                               | -45.0*       |
| S-TB/VB-16. | 22 ga., Type B,<br>Grade 40 steel      | Min. 0.5-inch DEXcell FA Glass Mat Roof<br>Board or min. 7/16-inch DEXcell Cement<br>Roof Board                                                        | DUOTACK 365                                                                                                      | 12-inch<br>o.c.              | ELASTOCOL Stick,<br>ELASTOCOL Stick<br>Zero or ELASTOCOL<br>Stick LVOC | SOPRAVAP'R or<br>SBS-SA1 (sanded<br>top) | None                 | DUOTACK                                   | -45.0*       |
| S-TB/VB-17. | 22 ga., Type B,<br>Grade 40 steel      | Min. 0.5-inch DEXcell FA Glass Mat Roof<br>Board or min. 7/16-inch DEXcell Cement<br>Roof Board                                                        | DUOTACK 365                                                                                                      | 12-inch<br>o.c.              | ELASTOCOL Stick,<br>ELASTOCOL Stick<br>Zero or ELASTOCOL<br>Stick LVOC | (Optional) SBS-<br>SA1                   | SBS-TAF              | DUOTACK 365                               | -45.0*       |
| S-TB/VB-18. | 22 ga., Type B,<br>Grade 40 steel      | Min. 0.5-inch DensDeck Prime, DEXcell FA<br>Glass Mat Roof Board or SECUROCK<br>Gypsum-Fiber Roof Board or min. 7/16-inch<br>DEXcell Cement Roof Board | DUOTACK 365 or APOC Polyset<br>Commercial Roof Adhesive                                                          | 12-inch<br>o.c.              | None                                                                   | (Optional) SBS-<br>CA3                   | SBS-CA3              | DUOTACK 365 or<br>DUOTACK SPF<br>HFO      | -45.0*       |
| S-TB/VB-19. | Min. 22 ga., Type B,<br>Grade 33 steel | 0.5-inch DEXcell FA Glass Mat Roof Board                                                                                                               | Dekfast DF-#14-PH3 or Trufast #14<br>HD Fastener with Dekfast PLT-R-3<br>or Trufast 3" Metal Insulation<br>Plate | 1 per<br>2.0 ft <sup>2</sup> | None                                                                   | SBS-CA3 (sanded<br>top)                  | None                 | DUOTACK                                   | -75.0        |
| S-TB/VB-20. | Min. 22 ga., Type B,<br>Grade 33 steel | 0.5-inch DEXcell FA Glass Mat Roof Board                                                                                                               | Dekfast DF-#14-PH3 or Trufast #14<br>HD Fastener with Dekfast PLT-R-3<br>or Trufast 3" Metal Insulation<br>Plate | 1 per<br>2.0 ft <sup>2</sup> | None                                                                   | SBS-TAF (sanded<br>top)                  | None                 | DUOTACK                                   | -75.0        |

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**TABLE VB-2: STEEL DECK**  
**THERMAL BARRIER / VAPOR BARRIER FOLLOWED BY ADHERED INSULATION**

| OPTION #    | DECK <a href="#">(4.1.2)</a>           | THERMAL BARRIER                                                                                                   |                                                                                                                  |                                    | PRIMER                                                                 | VAPOR BARRIER <a href="#">(3.1.4)</a>          |                      | ADHESIVE PER<br>TABLE <a href="#">2A</a> OR <a href="#">2B</a><br><a href="#">(3.1.3)</a> | MDP<br>(PSF) |
|-------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------------------------------------------|------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------|--------------|
|             |                                        | TYPE                                                                                                              | FASTENER <a href="#">(4.2.2)</a> OR ADHESIVE <a href="#">(3.1.3)</a>                                             | ATTACH<br><a href="#">(3.1.2E)</a> |                                                                        | BASE PLY                                       | CAP PLY<br>(GRANULE) |                                                                                           |              |
| S-TB/VB-21. | Min. 22 ga., Type B,<br>Grade 33 steel | 0.5-inch DEXcell FA Glass Mat Roof Board                                                                          | Dekfast DF-#14-PH3 or Trufast #14<br>HD Fastener with Dekfast PLT-R-3<br>or Trufast 3" Metal Insulation<br>Plate | 1 per<br>2.0 ft <sup>2</sup>       | None                                                                   | (Optional) SBS-<br>TAF                         | SBS-TAF              | DUOTACK 365                                                                               | -75.0        |
| S-TB/VB-22. | Min. 22 ga., Type B,<br>Grade 40 steel | Min. 0.5-inch DensDeck, DensDeck Prime or<br>SECUROCK Gypsum-Fiber Roof Board                                     | Dekfast DF-#14-PH3 or Trufast #14<br>HD Fastener with Dekfast PLT-R-3<br>or Trufast 3" Metal Insulation<br>Plate | 1 per<br>2.0 ft <sup>2</sup>       | None                                                                   | SBS-CA3, SBS-<br>CA4 or SBS-AA<br>(sanded top) | None                 | DUOTACK                                                                                   | -82.5        |
| S-TB/VB-23. | Min. 22 ga., Type B,<br>Grade 40 steel | Min. 0.5-inch DEXcell FA Glass Mat Roof<br>Board                                                                  | Dekfast DF-#14-PH3 or Trufast #14<br>HD Fastener with Dekfast PLT-R-3<br>or Trufast 3" Metal Insulation<br>Plate | 1 per<br>2.0 ft <sup>2</sup>       | None                                                                   | SBS-AA (sanded<br>top)                         | None                 | DUOTACK                                                                                   | -82.5        |
| S-TB/VB-24. | Min. 22 ga., Type B,<br>Grade 40 steel | Min. 0.5-inch DensDeck, DensDeck Prime,<br>DEXcell FA Glass Mat Roof Board or<br>SECUROCK Gypsum-Fiber Roof Board | Dekfast DF-#14-PH3 or Trufast #14<br>HD Fastener with Dekfast PLT-R-3<br>or Trufast 3" Metal Insulation<br>Plate | 1 per<br>2.0 ft <sup>2</sup>       | ELASTOCOL 500                                                          | SBS-TAF (sanded<br>top)                        | None                 | DUOTACK                                                                                   | -82.5        |
| S-TB/VB-25. | Min. 22 ga., Type B,<br>Grade 40 steel | Min. 0.5-inch DensDeck, DensDeck Prime,<br>DEXcell FA Glass Mat Roof Board or<br>SECUROCK Gypsum-Fiber Roof Board | Dekfast DF-#14-PH3 or Trufast #14<br>HD Fastener with Dekfast PLT-R-3<br>or Trufast 3" Metal Insulation<br>Plate | 1 per<br>2.0 ft <sup>2</sup>       | ELASTOCOL 500                                                          | (Optional) SBS-<br>TAF                         | SBS-TAF              | DUOTACK 365                                                                               | -82.5        |
| S-TB/VB-26. | Min. 22 ga., Type B,<br>Grade 40 steel | Min. 0.5-inch DensDeck, DensDeck Prime,<br>DEXcell FA Glass Mat Roof Board or<br>SECUROCK Gypsum-Fiber Roof Board | Dekfast DF-#14-PH3 or Trufast #14<br>HD Fastener with Dekfast PLT-R-3<br>or Trufast 3" Metal Insulation<br>Plate | 1 per<br>2.0 ft <sup>2</sup>       | ELASTOCOL Stick,<br>ELASTOCOL Stick<br>Zero or ELASTOCOL<br>Stick LVOC | SOPRAVAP'R or<br>SBS-SA1 (sanded<br>top)       | None                 | DUOTACK                                                                                   | -82.5        |
| S-TB/VB-27. | Min. 22 ga., Type B,<br>Grade 40 steel | Min. 0.5-inch DensDeck, DensDeck Prime,<br>DEXcell FA Glass Mat Roof Board or<br>SECUROCK Gypsum-Fiber Roof Board | Dekfast DF-#14-PH3 or Trufast #14<br>HD Fastener with Dekfast PLT-R-3<br>or Trufast 3" Metal Insulation<br>Plate | 1 per<br>2.0 ft <sup>2</sup>       | ELASTOCOL Stick,<br>ELASTOCOL Stick<br>Zero or ELASTOCOL<br>Stick LVOC | (Optional) SBS-<br>SA1                         | SBS-TAF              | DUOTACK 365                                                                               | -82.5        |
| S-TB/VB-28. | Min. 22 ga., Type B,<br>Grade 40 steel | Min. 0.5-inch DEXcell FA Glass Mat Roof<br>Board or min. 7/16-inch DEXcell Cement<br>Roof Board                   | DUOTACK 365                                                                                                      | 6-inch<br>o.c.                     | None                                                                   | SBS-AA or SBS-<br>TAF (sanded top)             | None                 | DUOTACK                                                                                   | -127.5       |
| S-TB/VB-29. | Min. 22 ga., Type B,<br>Grade 40 steel | Min. 0.5-inch DEXcell FA Glass Mat Roof<br>Board or min. 7/16-inch DEXcell Cement<br>Roof Board                   | DUOTACK 365                                                                                                      | 6-inch<br>o.c.                     | None                                                                   | (Optional) SBS-<br>TAF                         | SBS-TAF              | DUOTACK 365                                                                               | -127.5       |
| S-TB/VB-30. | Min. 22 ga., Type B,<br>Grade 40 steel | Min. 0.5-inch DEXcell FA Glass Mat Roof<br>Board or min. 7/16-inch DEXcell Cement<br>Roof Board                   | DUOTACK 365                                                                                                      | 6-inch<br>o.c.                     | ELASTOCOL Stick,<br>ELASTOCOL Stick<br>Zero or ELASTOCOL<br>Stick LVOC | SOPRAVAP'R or<br>SBS-SA1 (sanded<br>top)       | None                 | DUOTACK                                                                                   | -127.5       |
| S-TB/VB-31. | Min. 22 ga., Type B,<br>Grade 40 steel | Min. 0.5-inch DEXcell FA Glass Mat Roof<br>Board or min. 7/16-inch DEXcell Cement<br>Roof Board                   | DUOTACK 365                                                                                                      | 6-inch<br>o.c.                     | ELASTOCOL Stick,<br>ELASTOCOL Stick<br>Zero or ELASTOCOL<br>Stick LVOC | (Optional) SBS-<br>SA1                         | SBS-TAF              | DUOTACK 365                                                                               | -127.5       |

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**TABLE VB-2: STEEL DECK**  
**THERMAL BARRIER / VAPOR BARRIER FOLLOWED BY ADHERED INSULATION**

| OPTION #    | DECK (4.1.2)                           | THERMAL BARRIER                                                                                 |                                          |                    | PRIMER                                                                 | VAPOR BARRIER (3.1.4)                    |                      | ADHESIVE PER<br>TABLE 2A OR 2B<br>(3.1.3)                   | MDP<br>(PSF) |
|-------------|----------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------|--------------------|------------------------------------------------------------------------|------------------------------------------|----------------------|-------------------------------------------------------------|--------------|
|             |                                        | TYPE                                                                                            | FASTENER (4.2.2) OR ADHESIVE (3.1.3)     | ATTACH<br>(3.1.2E) |                                                                        | BASE PLY                                 | CAP PLY<br>(GRANULE) |                                                             |              |
| S-TB/VB-32. | Min. 22 ga., Type B,<br>Grade 40 steel | Min. 0.5-inch DensDeck Prime                                                                    | APOC Polyset Commercial Roof<br>Adhesive | 12-inch<br>o.c.    | ELASTOCOL Stick,<br>ELASTOCOL Stick<br>Zero or ELASTOCOL<br>Stick LVOC | SOPRAVAP'R or<br>SBS-SA1 (sanded<br>top) | None                 | APOC Polyset<br>Commercial<br>Roof Adhesive                 | -75.0        |
| S-TB/VB-33. | Min. 22 ga., Type B,<br>Grade 40 steel | Min. 0.5-inch DensDeck Prime                                                                    | APOC Polyset Commercial Roof<br>Adhesive | 12-inch<br>o.c.    | ELASTOCOL Stick,<br>ELASTOCOL Stick<br>Zero or ELASTOCOL<br>Stick LVOC | (Optional) SBS-<br>SA1                   | SBS-TAF              | APOC Polyset<br>Commercial<br>Roof Adhesive                 | -75.0        |
| S-TB/VB-34. | Min. 22 ga., Type B,<br>Grade 40 steel | Min. 0.5-inch DEXcell FA Glass Mat Roof<br>Board or min. 7/16-inch DEXcell Cement<br>Roof Board | APOC Polyset Commercial Roof<br>Adhesive | 12-inch<br>o.c.    | None                                                                   | SBS-AA (sanded<br>top)                   | None                 | APOC Polyset<br>Commercial<br>Roof Adhesive                 | -75.0        |
| S-TB/VB-35. | Min. 22 ga., Type B,<br>Grade 40 steel | Min. 0.5-inch DEXcell FA Glass Mat Roof<br>Board or min. 7/16-inch DEXcell Cement<br>Roof Board | APOC Polyset Commercial Roof<br>Adhesive | 12-inch<br>o.c.    | ELASTOCOL Stick<br>Zero or ELASTOCOL<br>Stick LVOC                     | SOPRAVAP'R                               | None                 | APOC Polyset<br>Commercial<br>Roof Adhesive                 | -75.0        |
| S-TB/VB-36. | Min. 22 ga., Type B,<br>Grade 40 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof<br>Board                                               | APOC Polyset Commercial Roof<br>Adhesive | 12-inch<br>o.c.    | ELASTOCOL 500                                                          | SBS-TAF (sanded<br>top)                  | None                 | APOC Polyset<br>Commercial<br>Roof Adhesive                 | -75.0        |
| S-TB/VB-37. | Min. 22 ga., Type B,<br>Grade 40 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof<br>Board                                               | APOC Polyset Commercial Roof<br>Adhesive | 12-inch<br>o.c.    | ELASTOCOL 500                                                          | (Optional) SBS-<br>TAF                   | SBS-TAF              | APOC Polyset<br>Commercial<br>Roof Adhesive                 | -75.0        |
| S-TB/VB-38. | Min. 22 ga., Type B,<br>Grade 40 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof<br>Board                                               | APOC Polyset Commercial Roof<br>Adhesive | 12-inch<br>o.c.    | ELASTOCOL Stick<br>Zero or ELASTOCOL<br>Stick LVOC                     | SOPRAVAP'R                               | None                 | APOC Polyset<br>Commercial<br>Roof Adhesive                 | -75.0        |
| S-TB/VB-39. | Min. 22 ga., Type B,<br>Grade 40 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof<br>Board                                               | APOC Polyset Commercial Roof<br>Adhesive | 12-inch<br>o.c.    | ELASTOCOL Stick,<br>ELASTOCOL Stick<br>Zero or ELASTOCOL<br>Stick LVOC | SBS-SA1 (sanded<br>top)                  | None                 | APOC Polyset<br>Commercial<br>Roof Adhesive                 | -75.0        |
| S-TB/VB-40. | Min. 22 ga., Type B,<br>Grade 40 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof<br>Board                                               | APOC Polyset Commercial Roof<br>Adhesive | 12-inch<br>o.c.    | ELASTOCOL Stick,<br>ELASTOCOL Stick<br>Zero or ELASTOCOL<br>Stick LVOC | (Optional) SBS-<br>SA1                   | SBS-TAF              | APOC Polyset<br>Commercial<br>Roof Adhesive                 | -75.0        |
| S-TB/VB-41. | Min. 22 ga., Type B,<br>Grade 40 steel | Min. 0.5-inch DensDeck Prime                                                                    | APOC Polyset Commercial Roof<br>Adhesive | 6-inch<br>o.c.     | ELASTOCOL Stick,<br>ELASTOCOL Stick<br>Zero or ELASTOCOL<br>Stick LVOC | SOPRAVAP'R or<br>SBS-SA1 (sanded<br>top) | None                 | APOC Polyset<br>Commercial<br>Roof Adhesive,<br>6-inch o.c. | -127.5       |
| S-TB/VB-42. | Min. 22 ga., Type B,<br>Grade 40 steel | Min. 0.5-inch DensDeck Prime                                                                    | APOC Polyset Commercial Roof<br>Adhesive | 6-inch<br>o.c.     | ELASTOCOL Stick,<br>ELASTOCOL Stick<br>Zero or ELASTOCOL<br>Stick LVOC | (Optional) SBS-<br>SA1                   | SBS-TAF              | APOC Polyset<br>Commercial<br>Roof Adhesive,<br>6-inch o.c. | -127.5       |

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**TABLE VB-2: STEEL DECK**  
**THERMAL BARRIER / VAPOR BARRIER FOLLOWED BY ADHERED INSULATION**

| OPTION #    | DECK (4.1.2)                           | THERMAL BARRIER                                                                                 |                                          |                    | PRIMER                                                                 | VAPOR BARRIER (3.1.4)   |                      | ADHESIVE PER<br>TABLE 2A OR 2B<br>(3.1.3)                   | MDP<br>(PSF) |
|-------------|----------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------|--------------------|------------------------------------------------------------------------|-------------------------|----------------------|-------------------------------------------------------------|--------------|
|             |                                        | TYPE                                                                                            | FASTENER (4.2.2) OR ADHESIVE (3.1.3)     | ATTACH<br>(3.1.2E) |                                                                        | BASE PLY                | CAP PLY<br>(GRANULE) |                                                             |              |
| S-TB/VB-43. | Min. 22 ga., Type B,<br>Grade 40 steel | Min. 0.5-inch DEXcell FA Glass Mat Roof<br>Board or min. 7/16-inch DEXcell Cement<br>Roof Board | APOC Polyset Commercial Roof<br>Adhesive | 6-inch<br>o.c.     | None                                                                   | SBS-AA (sanded<br>top)  | None                 | APOC Polyset<br>Commercial<br>Roof Adhesive,<br>6-inch o.c. | -127.5       |
| S-TB/VB-44. | Min. 22 ga., Type B,<br>Grade 40 steel | Min. 0.5-inch DEXcell FA Glass Mat Roof<br>Board or min. 7/16-inch DEXcell Cement<br>Roof Board | APOC Polyset Commercial Roof<br>Adhesive | 6-inch<br>o.c.     | ELASTOCOL Stick<br>Zero or ELASTOCOL<br>Stick LVOC                     | SOPRAVAP'R              | None                 | APOC Polyset<br>Commercial<br>Roof Adhesive,<br>6-inch o.c. | -127.5       |
| S-TB/VB-45. | Min. 22 ga., Type B,<br>Grade 40 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof<br>Board                                               | APOC Polyset Commercial Roof<br>Adhesive | 6-inch<br>o.c.     | ELASTOCOL 500                                                          | SBS-TAF (sanded<br>top) | None                 | APOC Polyset<br>Commercial<br>Roof Adhesive,<br>6-inch o.c. | -127.5       |
| S-TB/VB-46. | Min. 22 ga., Type B,<br>Grade 40 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof<br>Board                                               | APOC Polyset Commercial Roof<br>Adhesive | 6-inch<br>o.c.     | ELASTOCOL 500                                                          | (Optional) SBS-<br>TAF  | SBS-TAF              | APOC Polyset<br>Commercial<br>Roof Adhesive,<br>6-inch o.c. | -127.5       |
| S-TB/VB-47. | Min. 22 ga., Type B,<br>Grade 40 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof<br>Board                                               | APOC Polyset Commercial Roof<br>Adhesive | 6-inch<br>o.c.     | ELASTOCOL Stick<br>Zero or ELASTOCOL<br>Stick LVOC                     | SOPRAVAP'R              | None                 | APOC Polyset<br>Commercial<br>Roof Adhesive,<br>6-inch o.c. | -127.5       |
| S-TB/VB-48. | Min. 22 ga., Type B,<br>Grade 40 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof<br>Board                                               | APOC Polyset Commercial Roof<br>Adhesive | 6-inch<br>o.c.     | ELASTOCOL Stick,<br>ELASTOCOL Stick<br>Zero or ELASTOCOL<br>Stick LVOC | SBS-SA1 (sanded<br>top) | None                 | APOC Polyset<br>Commercial<br>Roof Adhesive,<br>6-inch o.c. | -127.5       |
| S-TB/VB-49. | Min. 22 ga., Type B,<br>Grade 40 steel | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof<br>Board                                               | APOC Polyset Commercial Roof<br>Adhesive | 6-inch<br>o.c.     | ELASTOCOL Stick,<br>ELASTOCOL Stick<br>Zero or ELASTOCOL<br>Stick LVOC | (Optional) SBS-<br>SA1  | SBS-TAF              | APOC Polyset<br>Commercial<br>Roof Adhesive,<br>6-inch o.c. | -127.5       |

**(b) Structural Concrete Decks:****TABLE VB-3A: STRUCTURAL CONCRETE DECK**  
**1-PLY VAPOR BARRIER FOLLOWED BY ADHERED INSULATION**

| OPTION # | PRIMER                             | VAPOR BARRIER (3.1.4)                                         | INSULATION ADHESIVE PER TABLE 3A (3.1.3) | MDP (PSF) |
|----------|------------------------------------|---------------------------------------------------------------|------------------------------------------|-----------|
| C-VB-1.  | ASTM D41                           | SBS-CA4 (granule top)                                         | DUOTACK                                  | -97.5     |
| C-VB-2.  | ASTM D41                           | SBS-CA4 (sanded top)                                          | DUOTACK                                  | -120.0    |
| C-VB-3.  | none                               | SBS-CA2 (sanded- or granule-top-surface), ribbons 6-inch o.c. | DUOTACK                                  | -120.0    |
| C-VB-4.  | (Optional) ASTM D41, ELASTOCOL 500 | SBS-CA3 (granule top)                                         | DUOTACK                                  | -195.0    |
| C-VB-5.  | ASTM D41                           | SBS-AA (granule top)                                          | DUOTACK                                  | -195.0    |
| C-VB-6.  | ASTM D41                           | SBS-TAF (granule top)                                         | DUOTACK                                  | -195.0    |

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**TABLE VB-3A: STRUCTURAL CONCRETE DECK  
1-PLY VAPOR BARRIER FOLLOWED BY ADHERED INSULATION**

| OPTION # | PRIMER                                                        | VAPOR BARRIER <a href="#">(3.1.4)</a>                 | INSULATION ADHESIVE PER <a href="#">TABLE 3A (3.1.3)</a>                   | MDP (PSF) |
|----------|---------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------------------------------------|-----------|
| C-VB-7.  | ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | SBS-SA1 (granule top)                                 | DUOTACK                                                                    | -195.0    |
| C-VB-8.  | none                                                          | SBS-CA2 (sanded- or granule-top-surface), 6-inch o.c. | DUOTACK ( <i>ribbons perpendicular to vapor barrier adhesive ribbons</i> ) | -207.5    |
| C-VB-9.  | ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                  | SOPRAVAP'R, self-adhering                             | DUOTACK                                                                    | -240.0    |
| C-VB-10. | none                                                          | SBS-CA3 (sanded top)                                  | DUOTACK                                                                    | -255.0    |
| C-VB-11. | ASTM D41, ELASTOCOL 500                                       | SBS-CA3 (sanded top)                                  | DUOTACK                                                                    | -270.0    |
| C-VB-12. | ASTM D41                                                      | SBS-AA (sanded top)                                   | DUOTACK                                                                    | -270.0    |
| C-VB-13. | ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | SBS-SA1 (sanded top)                                  | DUOTACK                                                                    | -315.0    |
| C-VB-14. | ASTM D41                                                      | SBS-TAF (sanded top)                                  | DUOTACK                                                                    | -382.5    |
| C-VB-15. | None                                                          | SBS-CA2 (sanded- or granule-top-surface), 6-inch o.c. | DUOTACK, 6-inch o.c.                                                       | -445.0    |
| C-VB-16. | ASTM D41                                                      | SBS-CA4 (granule top)                                 | APOC Polyset Commercial Roof Adhesive                                      | -97.5     |
| C-VB-17. | ASTM D41                                                      | SBS-CA4 (sanded top)                                  | APOC Polyset Commercial Roof Adhesive                                      | -120.0    |
| C-VB-18. | (Optional) ASTM D41, ELASTOCOL 500                            | SBS-CA3 (granule top)                                 | APOC Polyset Commercial Roof Adhesive                                      | -195.0    |
| C-VB-19. | ASTM D41                                                      | SBS-AA (granule top)                                  | APOC Polyset Commercial Roof Adhesive                                      | -195.0    |
| C-VB-20. | ASTM D41                                                      | SBS-TAF (granule top)                                 | APOC Polyset Commercial Roof Adhesive                                      | -195.0    |
| C-VB-21. | ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | SBS-SA1 (granule top)                                 | APOC Polyset Commercial Roof Adhesive                                      | -195.0    |
| C-VB-22. | (Optional) ASTM D41, ELASTOCOL 500                            | SBS-CA3 (sanded top)                                  | APOC Polyset Commercial Roof Adhesive                                      | -222.5    |
| C-VB-23. | ASTM D41                                                      | SBS-AA (sanded top)                                   | APOC Polyset Commercial Roof Adhesive                                      | -222.5    |
| C-VB-24. | ASTM D41                                                      | SBS-TAF (sanded top)                                  | APOC Polyset Commercial Roof Adhesive                                      | -222.5    |
| C-VB-25. | ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | SBS-SA1 (sanded top)                                  | APOC Polyset Commercial Roof Adhesive                                      | -222.5    |
| C-VB-26. | ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                  | SOPRAVAP'R, self-adhering                             | APOC Polyset Commercial Roof Adhesive                                      | -392.5    |
| C-VB-27. | ASTM D41                                                      | SBS-AA (sanded top)                                   | hot asphalt                                                                | -210.0    |
| C-VB-28. | none                                                          | SBS-CA2 (sanded-top-surface), ribbons 6-inch o.c.     | hot asphalt                                                                | -367.5    |
| C-VB-29. | ASTM D41                                                      | SBS-TAF (sanded top)                                  | hot asphalt                                                                | -367.5    |

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**TABLE VB-3B: STRUCTURAL CONCRETE DECK  
2-PLY VAPOR BARRIER FOLLOWED BY ADHERED INSULATION**

| OPTION # | PRIMER                                                        | VAPOR BARRIER <a href="#">(3.1.4)</a> |                                                            | INSULATION ADHESIVE PER <a href="#">TABLE 3A</a><br><a href="#">(3.1.3)</a> | MDP<br>(PSF) |
|----------|---------------------------------------------------------------|---------------------------------------|------------------------------------------------------------|-----------------------------------------------------------------------------|--------------|
|          |                                                               | TYPE                                  | APPLICATION                                                |                                                                             |              |
| C-VB-30. | ASTM D41                                                      | SBS-CA4                               | SBS-CA4, SBS-AA or SBS-TAF (granule top)                   | DUOTACK                                                                     | -97.5        |
| C-VB-31. | ASTM D41                                                      | SBS-CA4                               | SBS-CA4 (sanded top)                                       | DUOTACK                                                                     | -120.0       |
| C-VB-32. | none                                                          | SBS-CA2, 6-inch o.c.                  | SBS-CA3 or SBS-TAF (sanded- or granule-top-surface)        | DUOTACK                                                                     | -120.0       |
| C-VB-33. | (Optional) ASTM D41, ELASTOCOL 500                            | SBS-CA3                               | SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1 (granule top) | DUOTACK                                                                     | -195.0       |
| C-VB-34. | ASTM D41                                                      | SBS-AA or SBS-TAF                     | SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1 (granule top) | DUOTACK                                                                     | -195.0       |
| C-VB-35. | ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | SBS-SA1                               | SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1 (granule top) | DUOTACK                                                                     | -195.0       |
| C-VB-36. | none                                                          | SBS-CA2, 6-inch o.c.                  | SBS-CA3 or SBS-TAF (sanded- or granule-top-surface)        | DUOTACK ( <i>ribbons perpendicular to vapor barrier adhesive ribbons</i> )  | -207.5       |
| C-VB-37. | none                                                          | SBS-CA3                               | SBS-CA3 (sanded top)                                       | DUOTACK                                                                     | -255.0       |
| C-VB-38. | ASTM D41, ELASTOCOL 500                                       | SBS-CA3                               | SBS-CA3 (sanded top)                                       | DUOTACK                                                                     | -270.0       |
| C-VB-39. | ASTM D41                                                      | SBS-AA                                | SBS-AA (sanded top)                                        | DUOTACK                                                                     | -270.0       |
| C-VB-40. | ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | SBS-SA1                               | SBS-SA1 (sanded top)                                       | DUOTACK                                                                     | -315.0       |
| C-VB-41. | ASTM D41                                                      | SBS-TAF                               | SBS-TAF (sanded top)                                       | DUOTACK                                                                     | -382.5       |
| C-VB-42. | none                                                          | SBS-CA2, 6-inch o.c.                  | SBS-CA3 (sanded- or granule-top-surface)                   | DUOTACK, 6-inch o.c.                                                        | -382.5       |
| C-VB-43. | none                                                          | SBS-CA2, 6-inch o.c.                  | SBS-TAF (sanded- or granule-top-surface)                   | DUOTACK, 6-inch o.c.                                                        | -445.0       |
| C-VB-44. | ASTM D41                                                      | SBS-AA                                | SBS-AA (sanded top)                                        | hot asphalt                                                                 | -210.0       |
| C-VB-45. | none                                                          | SBS-CA2, 6-inch o.c.                  | SBS-CA3 or SBS-TAF (sanded-top-surface)                    | hot asphalt                                                                 | -367.5       |
| C-VB-46. | ASTM D41                                                      | SBS-TAF                               | SBS-TAF (sanded top)                                       | hot asphalt                                                                 | -367.5       |

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(c) Deck followed by Vapor Barrier followed by Lightweight Concrete (LWC):

| TABLE VB-4: DECK FOLLOWED BY VAPOR BARRIER FOLLOWED BY LIGHTWEIGHT CONCRETE (LWC) |                              |                                        |                                                                      |                           |                         |                                                               |                                          |           |
|-----------------------------------------------------------------------------------|------------------------------|----------------------------------------|----------------------------------------------------------------------|---------------------------|-------------------------|---------------------------------------------------------------|------------------------------------------|-----------|
| OPTION #                                                                          | DECK <a href="#">(4.1.2)</a> | SUBSTRATE BOARD                        |                                                                      |                           | PRIMER                  | VAPOR BARRIER <a href="#">(3.1.4)</a>                         |                                          | MDP (PSF) |
|                                                                                   |                              | TYPE                                   | FASTENER <a href="#">(4.2.2)</a> OR ADHESIVE <a href="#">(3.1.3)</a> | ATTACH                    |                         | BASE PLY                                                      | CAP PLY                                  |           |
| LWC-VB-1.                                                                         | Structural concrete          | None                                   | N/A                                                                  | N/A                       | None                    | SBS-CA3 (sanded-top-surface)                                  | None                                     | -255.0    |
| LWC-VB-2.                                                                         | Structural concrete          | None                                   | N/A                                                                  | N/A                       | None                    | (Optional) SBS-CA3                                            | SBS-CA3 (sanded- or granule-top-surface) | -255.0    |
| LWC-VB-3.                                                                         | Structural concrete          | None                                   | N/A                                                                  | N/A                       | ASTM D41, ELASTOCOL 500 | SBS-CA3 (sanded-top-surface)                                  | None                                     | -270.0    |
| LWC-VB-4.                                                                         | Structural concrete          | None                                   | N/A                                                                  | N/A                       | ASTM D41, ELASTOCOL 500 | (Optional) SBS-CA3                                            | SBS-CA3 (sanded- or granule-top-surface) | -270.0    |
| LWC-VB-5.                                                                         | Structural concrete          | None                                   | N/A                                                                  | N/A                       | ASTM D41, ELASTOCOL 500 | SBS-TAF (sanded-top-surface)                                  | None                                     | -367.5    |
| LWC-VB-6.                                                                         | Structural concrete          | None                                   | N/A                                                                  | N/A                       | ASTM D41, ELASTOCOL 500 | (Optional) SBS-TAF                                            | SBS-TAF (sanded- or granule-top-surface) | -367.5    |
| LWC-VB-7.                                                                         | Structural concrete          | None                                   | N/A                                                                  | N/A                       | None                    | SBS-CA2, ribbons 6-inch o.c.                                  | SBS-CA3 (sanded- or granule-top-surface) | -382.5    |
| LWC-VB-8.                                                                         | Structural concrete          | None                                   | N/A                                                                  | N/A                       | None                    | SBS-CA2 (sanded- or granule-top-surface), ribbons 6-inch o.c. | None                                     | -445.0    |
| LWC-VB-9.                                                                         | Structural concrete          | None                                   | N/A                                                                  | N/A                       | None                    | SBS-CA2, ribbons 6-inch o.c.                                  | SBS-TAF (sanded- or granule-top-surface) | -445.0    |
| CWF-VB-LWC-1.                                                                     | Cementitious Wood Fiber      | Min. 0.125-inch Pika Ply Recover Board | Twin Loc-Nail (1.8-inch)                                             | 1 per 1.8 ft <sup>2</sup> | None                    | SBS-CA3, SBS-AA or SBS-TAF                                    | (Optional) SBS-CA3, SBS-AA or SBS-TAF    | -45.0*    |
| CWF-VB-LWC-2.                                                                     | Cementitious Wood Fiber      | Min. 0.125-inch Pika Ply Recover Board | Twin Loc-Nail (1.8-inch)                                             | 1 per 1.0 ft <sup>2</sup> | None                    | SBS-CA3, SBS-AA or SBS-TAF                                    | (Optional) SBS-CA3, SBS-AA or SBS-TAF    | -67.5     |
| CWF-VB-LWC-3.                                                                     | Cementitious Wood Fiber      | Min. 0.125-inch Pika Ply Recover Board | DUOTACK 365 or APOC Polyset Commercial Roof Adhesive                 | ribbons 6-inch o.c.       | None                    | SBS-CA3, SBS-AA or SBS-TAF                                    | (Optional) SBS-CA3, SBS-AA or SBS-TAF    | -272.0    |
| GYP-VB-LWC-1.                                                                     | Existing gypsum              | None                                   | N/A                                                                  | N/A                       | None                    | SBS-CA2, ribbons 6-inch o.c.                                  | SBS-CA3 (sanded- or granule-top-surface) | -382.5    |
| GYP-VB-LWC-2.                                                                     | Existing gypsum              | None                                   | N/A                                                                  | N/A                       | None                    | SBS-CA2 (sanded- or granule-top-surface), ribbons 6-inch o.c. | None                                     | -445.0    |
| GYP-VB-LWC-3.                                                                     | Existing gypsum              | None                                   | N/A                                                                  | N/A                       | None                    | SBS-CA2, ribbons 6-inch o.c.                                  | SBS-TAF (sanded- or granule-top-surface) | -445.0    |

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**4.3.2 Roof Assemblies:**

| TABLE               | DECK                           | APPLICATION                       | TYPE | DESCRIPTION                                                                                | PAGE |
|---------------------|--------------------------------|-----------------------------------|------|--------------------------------------------------------------------------------------------|------|
| <a href="#">10A</a> | Steel                          | New or Reroof (Tear-Off)          | A-1  | Bonded Insulation, Bonded Roof Cover                                                       | 23   |
| <a href="#">10B</a> | Steel or Structural Concrete   | New, Reroof (Tear-Off) or Recover | B-1  | Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover            | 30   |
| <a href="#">10C</a> | Steel or Structural Concrete   | New, Reroof (Tear-Off) or Recover | C-1  | Mechanically Attached Insulation, Bonded Roof Cover                                        | 41   |
| <a href="#">10D</a> | Steel                          | New, Reroof (Tear-Off) or Recover | D-3  | Insulated, Bonded & Mechanically Attached Base Membrane, Bonded Roof Cover                 | 49   |
| <a href="#">11A</a> | Structural Concrete            | New or Reroof (Tear-Off)          | A-1  | Bonded Insulation, Bonded Roof Cover                                                       | 50   |
| <a href="#">11B</a> | Structural Concrete            | New or Reroof (Tear-Off)          | F    | Non-Insulated, Bonded Roof Cover                                                           | 61   |
| <a href="#">12A</a> | Deck with Lightweight Concrete | New, Reroof (Tear-Off)            | A-1  | LWC to Deck, Bonded Insulation, Bonded Roof Cover                                          | 62   |
| <a href="#">12B</a> | Deck with Lightweight Concrete | New, Reroof (Tear-Off)            | A-1  | LWC to Deck, Bonded Vapor Barrier, Bonded Insulation, Bonded Roof Cover                    | 66   |
| <a href="#">12C</a> | Deck with Lightweight Concrete | New, Reroof (Tear-Off)            | E-2  | LWC to Deck, Mechanically Attached Base Sheet, Bonded Roof Cover                           | 67   |
| <a href="#">12D</a> | Deck with Lightweight Concrete | New, Reroof (Tear-Off)            | E-2  | LWC to Deck, Mechanically Attached SOPRAPHIX, Bonded Roof Cover                            | 67   |
| <a href="#">12E</a> | Deck with Lightweight Concrete | New, Reroof (Tear-Off)            | F    | LWC to Deck, Bonded Roof Cover                                                             | 68   |
| <a href="#">12F</a> | Deck with Lightweight Concrete | New, Reroof (Tear-Off)            | F    | Thermal Barrier to Deck, Vapor Barrier to Barrier, LWC to Vapor Barrier, Bonded Roof Cover | 69   |
| <a href="#">12G</a> | Deck with Lightweight Concrete | New, Reroof (Tear-Off)            | F    | LWC to Deck, Bonded Roof Cover                                                             | 69   |

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**TABLE 10A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER\***REFER TO [TABLE VB-2](#) FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

| SYSTEM No.             | DECK<br>(4.1.2)                         | THERMAL BARRIER                                                                                                                                                                      |                                                            | BASE INSULATION LAYER                                                                              |                                                                                            | TOP INSULATION LAYER(S)                                                                                                                                                                                                                                        |                | ROOF COVER (3.1.4) |                             |                                   | MDP<br>(PSF)* |
|------------------------|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------|-----------------------------|-----------------------------------|---------------|
|                        |                                         | TYPE                                                                                                                                                                                 | ATTACH (3.1.3)                                             | TYPE                                                                                               | ATTACH (3.1.3)                                                                             | TYPE                                                                                                                                                                                                                                                           | ATTACH (3.1.3) | BASE               | PLY                         | CAP                               |               |
| COLD APPLIED BASE PLY: |                                         |                                                                                                                                                                                      |                                                            |                                                                                                    |                                                                                            |                                                                                                                                                                                                                                                                |                |                    |                             |                                   |               |
| SC-1.                  | 22 ga.,<br>Type B,<br>Grade 40<br>steel | (Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board | DUOTACK 365, ribbons 12" o.c. (on every-other deck flange) | Min. 2-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3, Ultra-Max or Insulfoam IX | DUOTACK 365                                                                                | Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch Pika Ply Recover Board, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board | DUOTACK 365    | SBS-CA3, SBS-CA4   | (Optional) SBS-CA4          | SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF | -45.0*        |
| SC-2.                  | 22 ga.,<br>Type B,<br>Grade 40<br>steel | (Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board                                                                                                          | DUOTACK 365, ribbons 6" o.c. (on each deck flange)         | Min. 2-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG or Multi-Max FA3                          | TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange)<br>TO THERMAL BARRIER: DUOTACK | Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch Pika Ply Recover Board                                                                                                                                                 | DUOTACK        | SBS-CA4            | (Optional) SBS-CA4          | SBS-CA3, SBS-CA4                  | -52.5         |
| SC-3.                  | 22 ga.,<br>Type B,<br>Grade 40<br>steel | (Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board                                                                                                          | DUOTACK 365, ribbons 6" o.c. (on each deck flange)         | Min. 2-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG or Multi-Max FA3                          | TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange)<br>TO THERMAL BARRIER: DUOTACK | Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch Pika Ply Recover Board                                                                                                                                                 | DUOTACK        | SBS-CA3            | (Optional) SBS-CA3, SBS-TAF | SBS-CA3, SBS-TAF                  | -60.0         |
| SC-4.                  | 22 ga.,<br>Type B,<br>Grade 40<br>steel | (Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board                                                                                                          | DUOTACK 365, ribbons 6" o.c. (on each deck flange)         | Min. 2-inch ACFoam-II, ACFoam-III, H-Shield or H-Shield CG                                         | TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange)<br>TO THERMAL BARRIER: DUOTACK | Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch Pika Ply Recover Board                                                                                                                                                  | DUOTACK        | SBS-CA4            | (Optional) SBS-CA4          | SBS-CA3, SBS-CA4                  | -82.5         |
| SC-5.                  | 22 ga.,<br>Type B,<br>Grade 40<br>steel | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board followed by SBS-TAF (sand-surfaced)                                                        | DUOTACK 365, ribbons 6" o.c. (on each deck flange)         | Min. 2-inch ACFoam-II, ACFoam-III, H-Shield or H-Shield CG or Insulfoam VIII                       | DUOTACK 365                                                                                | Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch Pika Ply Recover Board                                                                                                                                                 | DUOTACK 365    | SBS-CA3, SBS-CA4   | (Optional) SBS-CA4          | SBS-CA3, SBS-CA4                  | -82.5         |
| SC-6.                  | 22 ga.,<br>Type B,<br>Grade 40<br>steel | (Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board                                                                                                          | DUOTACK 365, ribbons 6" o.c. (on each deck flange)         | Min. 2-inch ACFoam-II, ACFoam-III, H-Shield or H-Shield CG                                         | TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange)<br>TO THERMAL BARRIER: DUOTACK | Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board                                                                                                                      | DUOTACK        | SBS-CA3, SBS-CA4   | (Optional) SBS-CA4          | SBS-CA3, SBS-CA4                  | -82.5         |
| SC-7.                  | 22 ga.,<br>Type B,<br>Grade 40<br>steel | (Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board                                                                                                          | DUOTACK 365, ribbons 6" o.c. (on each deck flange)         | Min. 2-inch ACFoam-II, ACFoam-III, H-Shield or H-Shield CG                                         | TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange)<br>TO THERMAL BARRIER: DUOTACK | Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board                                                                                                                                         | DUOTACK        | SBS-CA3            | (Optional) SBS-CA4          | SBS-CA3, SBS-CA4                  | -82.5         |

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**TABLE 10A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)****SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER\***REFER TO [TABLE VB-2](#) FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

| SYSTEM No. | DECK<br><a href="#">(4.1.2)</a>         | THERMAL BARRIER                                                                                                                                          |                                                                    | BASE INSULATION LAYER                                                      |                                                                                            | TOP INSULATION LAYER(S)                                                                                                                                                                 |                                       | ROOF COVER <a href="#">(3.1.4)</a> |                       |                                              | MDP<br><a href="#">(Psf)*</a> |
|------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------|-----------------------|----------------------------------------------|-------------------------------|
|            |                                         | TYPE                                                                                                                                                     | ATTACH <a href="#">(3.1.3)</a>                                     | TYPE                                                                       | ATTACH <a href="#">(3.1.3)</a>                                                             | TYPE                                                                                                                                                                                    | ATTACH <a href="#">(3.1.3)</a>        | BASE                               | PLY                   | CAP                                          |                               |
| SC-8.      | 22 ga.,<br>Type B,<br>Grade 40<br>steel | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board                                                                | DUOTACK 365, ribbons 6" o.c. (on each deck flange)                 | None                                                                       | N/A                                                                                        | None                                                                                                                                                                                    | N/A                                   | SBS-CA3,<br>SBS-CA4                | (Optional)<br>SBS-CA4 | SBS-CA3,<br>SBS-CA4                          | -82.5                         |
| SC-9.      | 22 ga.,<br>Type B,<br>Grade 40<br>steel | (Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board                                                                              | DUOTACK 365, ribbons 6" o.c. (on each deck flange)                 | Min. 2-inch ACFoam-II, ACFoam-III, H-Shield or H-Shield CG                 | TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange)<br>TO THERMAL BARRIER: DUOTACK | Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.5-inch SECUROCK Gypsum Fiber Roof Board                                                                  | DUOTACK                               | SBS-CA3,<br>SBS-CA4                | (Optional)<br>SBS-CA4 | SBS-CA3,<br>SBS-CA4                          | -90.0                         |
| SC-10.     | 22 ga.,<br>Type B,<br>Grade 40<br>steel | (Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board                                                                              | DUOTACK 365, ribbons 6" o.c. (on each deck flange)                 | Min. 2-inch ACFoam-II, ACFoam-III, H-Shield or H-Shield CG                 | TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange)<br>TO THERMAL BARRIER: DUOTACK | Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.5-inch DensDeck Prime                                                                                    | DUOTACK                               | SBS-CA3,<br>SBS-CA4                | (Optional)<br>SBS-CA4 | SBS-CA3,<br>SBS-CA4                          | -97.5                         |
| SC-11.     | 22 ga.,<br>Type B,<br>Grade 40<br>steel | (Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board                                                                              | DUOTACK 365, ribbons 6" o.c. (on each deck flange)                 | Min. 2-inch ACFoam-II, ACFoam-III, H-Shield or H-Shield CG                 | TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange)<br>TO THERMAL BARRIER: DUOTACK | Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.5-inch DEXcell FA Glass Mat Roof Board                                                                   | DUOTACK                               | SBS-CA4                            | None                  | SBS-CA3,<br>SBS-CA4,<br>SBS-AA<br>or SBS-TAF | -97.5                         |
| SC-12.     | 22 ga.,<br>Type B,<br>Grade 40<br>steel | (Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board                                                                              | DUOTACK 365, ribbons 6" o.c. (on each deck flange)                 | Min. 2-inch ACFoam-II, ACFoam-III, H-Shield or H-Shield CG                 | TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange)<br>TO THERMAL BARRIER: DUOTACK | Min. 0.25-inch Pika Ply Recover Board                                                                                                                                                   | DUOTACK 365, 6-inch o.c.              | SBS-CA3                            | None                  | SBS-CA3                                      | -97.5                         |
| SC-13.     | 22 ga.,<br>Type B,<br>Grade 50<br>steel | (Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board | DUOTACK 365, ribbons 6" o.c. (on each deck flange)                 | Min. 2-inch ACFoam-II, ACFoam-III, H-Shield CG, Multi-Max FA3 or Ultra-Max | DUOTACK 365, ribbons 6" o.c.                                                               | Min. 0.25-in. DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board                                           | DUOTACK 365, ribbons 6" o.c.          | SBS-CA4                            | None                  | SBS-CA3,<br>SBS-CA4,<br>SBS-AA<br>or SBS-TAF | -120.0                        |
| SC-14.     | 22 ga.,<br>Type B,<br>Grade 50<br>steel | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board                                                                | DUOTACK 365, ribbons 6" o.c. (on each deck flange)                 | None                                                                       | N/A                                                                                        | None                                                                                                                                                                                    | N/A                                   | SBS-CA4                            | None                  | SBS-CA3,<br>SBS-CA4,<br>SBS-AA<br>or SBS-TAF | -120.0                        |
| SC-15.     | 22 ga.,<br>Type B,<br>Grade 40<br>steel | (Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board                                                                              | APOC Polyset Commercial Roof Adhesive (on every-other deck flange) | Min. 2-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG or Multi-Max FA3  | APOC Polyset Commercial Roof Adhesive                                                      | Additional optional layer(s), min. - 0.5-inch base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board | APOC Polyset Commercial Roof Adhesive | SBS-CA3,<br>SBS-CA4                | (Optional)<br>SBS-CA4 | SBS-CA3,<br>SBS-CA4                          | -52.5                         |

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**TABLE 10A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER\***REFER TO [TABLE VB-2](#) FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

| SYSTEM No.                            | DECK<br><a href="#">(4.1.2)</a>         | THERMAL BARRIER                                                                                                                                                                      |                                                                                      | BASE INSULATION LAYER                                                                              |                                                                                            | TOP INSULATION LAYER(S)                                                                                                                                                                                                                                        |                                                        | ROOF COVER <a href="#">(3.1.4)</a> |                            |                                     | MDP<br><a href="#">(PSF)*</a> |
|---------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|------------------------------------|----------------------------|-------------------------------------|-------------------------------|
|                                       |                                         | TYPE                                                                                                                                                                                 | ATTACH <a href="#">(3.1.3)</a>                                                       | TYPE                                                                                               | ATTACH <a href="#">(3.1.3)</a>                                                             | TYPE                                                                                                                                                                                                                                                           | ATTACH <a href="#">(3.1.3)</a>                         | BASE                               | PLY                        | CAP                                 |                               |
| SC-16.                                | 22 ga.,<br>Type B,<br>Grade 40<br>steel | (Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board | APOC Polyset Commercial Roof Adhesive, ribbons 12" o.c. (on every-other deck flange) | Min. 1.5-inch ACFoam-II, H-Shield CG, Ultra-Max, Insulfoam IX Roofing EPS or SOPRA-XPS             | APOC Polyset Commercial Roof Adhesive                                                      | Min. 0.25-inch Pika Ply Recover Board, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board                                                                                         | APOC Polyset Commercial Roof Adhesive                  | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA4         | SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF   | -75.0                         |
| SC-17.                                | 22 ga.,<br>Type B,<br>Grade 40<br>steel | (Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board | APOC Polyset Commercial Roof Adhesive, ribbons 6" o.c. (on each deck flange)         | Min. 1.5-inch ACFoam-II, H-Shield CG, Ultra-Max or Insulfoam IX Roofing EPS                        | APOC Polyset Commercial Roof Adhesive, ribbons 6" o.c.                                     | Min. 0.25-inch Pika Ply Recover Board, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board                                                                                         | APOC Polyset Commercial Roof Adhesive, ribbons 6" o.c. | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA4         | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -97.5                         |
| SC-18.                                | 22 ga.,<br>Type B,<br>Grade 40<br>steel | (Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board | APOC Polyset Commercial Roof Adhesive, ribbons 6" o.c. (on each deck flange)         | Min. 1.5-inch ACFoam-II, H-Shield CG, Ultra-Max or Insulfoam IX Roofing EPS                        | APOC Polyset Commercial Roof Adhesive, ribbons 6" o.c.                                     | Min. 0.25-inch Pika Ply Recover Board, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board                                                                                         | APOC Polyset Commercial Roof Adhesive, ribbons 6" o.c. | SBS-CA4                            | None                       | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -120.0                        |
| <b>HOT OR TORCH APPLIED BASE PLY:</b> |                                         |                                                                                                                                                                                      |                                                                                      |                                                                                                    |                                                                                            |                                                                                                                                                                                                                                                                |                                                        |                                    |                            |                                     |                               |
| SC-19.                                | 22 ga.,<br>Type B,<br>Grade 40<br>steel | (Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board | DUOTACK 365, ribbons 12" o.c. (on every-other deck flange)                           | Min. 2-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3, Ultra-Max or Insulfoam IX | DUOTACK 365                                                                                | Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch Pika Ply Recover Board, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board | DUOTACK 365                                            | SBS-AA, SBS-TAF                    | (Optional) SBS-AA, SBS-TAF | SBS-AA, SBS-TAF                     | -45.0*                        |
| SC-20.                                | 22 ga.,<br>Type B,<br>Grade 40<br>steel | (Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board                                                                                                          | DUOTACK 365, ribbons 6" o.c. (on each deck flange)                                   | Min. 2-inch ACFoam-II, ACFoam-III, H-Shield or H-Shield CG                                         | TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange)<br>TO THERMAL BARRIER: DUOTACK | Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch Pika Ply Recover Board                                                                                                                                                 | DUOTACK                                                | SBS-AA                             | (Optional) SBS-AA, SBS-TAF | SBS-AA, SBS-TAF                     | -52.5                         |

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**TABLE 10A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER\***REFER TO [TABLE VB-2](#) FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

| SYSTEM No. | DECK<br><a href="#">(4.1.2)</a>         | THERMAL BARRIER                                                                                                                                                             |                                                                                                         | BASE INSULATION LAYER                                                                                |                                                                                                     | TOP INSULATION LAYER(S)                                                                                                                                                                                              |                                             | ROOF COVER <a href="#">(3.1.4)</a> |                                  |                    | MDP<br><a href="#">(PSF)*</a> |
|------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|------------------------------------|----------------------------------|--------------------|-------------------------------|
|            |                                         | TYPE                                                                                                                                                                        | ATTACH <a href="#">(3.1.3)</a>                                                                          | TYPE                                                                                                 | ATTACH <a href="#">(3.1.3)</a>                                                                      | TYPE                                                                                                                                                                                                                 | ATTACH <a href="#">(3.1.3)</a>              | BASE                               | PLY                              | CAP                |                               |
| SC-21.     | 22 ga.,<br>Type B,<br>Grade 40<br>steel | (Optional) Min. 0.5-inch<br>DensDeck Prime or<br>SECUROCK Gypsum-Fiber<br>Roof Board                                                                                        | DUOTACK 365,<br>ribbons 6" o.c.<br>(on each deck<br>flange)                                             | Min. 2-inch<br>ACFoam-II,<br>ACFoam-III, H-<br>Shield or H-Shield<br>CG                              | TO DECK: DUOTACK<br>365, ribbons 6" o.c.<br>(on each deck flange)<br>TO THERMAL BARRIER:<br>DUOTACK | Additional optional layer(s), min.<br>1.5-inch base insulation followed<br>by min. 0.25-inch Pika Ply Recover<br>Board, DensDeck Prime, DEXcell<br>FA Glass Mat Roof Board or<br>SECUROCK Gypsum Fiber Roof<br>Board | DUOTACK                                     | SBS-AA,<br>SBS-TAF                 | (Optional)<br>SBS-AA,<br>SBS-TAF | SBS-AA,<br>SBS-TAF | -82.5                         |
| SC-22.     | 22 ga.,<br>Type B,<br>Grade 40<br>steel | Min. 0.5-inch DEXcell FA<br>Glass Mat Roof Board or<br>min. 7/16-inch DEXcell<br>Cement Roof Board followed<br>by SBS-TAF (sand-surfaced)                                   | DUOTACK 365,<br>ribbons 6" o.c.<br>(on each deck<br>flange)                                             | Min. 2-inch<br>ACFoam-II,<br>ACFoam-III, H-<br>Shield or H-Shield<br>CG or Insulfoam<br>VIII         | DUOTACK 365                                                                                         | Additional optional layer(s), min.<br>1.5-inch base insulation followed<br>by min. 0.125-inch Pika Ply<br>Recover Board                                                                                              | DUOTACK 365                                 | SBS-AA,<br>SBS-TAF                 | (Optional)<br>SBS-AA,<br>SBS-TAF | SBS-AA,<br>SBS-TAF | -82.5                         |
| SC-23.     | 22 ga.,<br>Type B,<br>Grade 40<br>steel | (Optional) Min. 0.5-inch<br>DensDeck Prime or<br>SECUROCK Gypsum-Fiber<br>Roof Board                                                                                        | DUOTACK 365,<br>ribbons 6" o.c.<br>(on each deck<br>flange)                                             | Min. 2-inch<br>ACFoam-II,<br>ACFoam-III, H-<br>Shield or H-Shield<br>CG                              | TO DECK: DUOTACK<br>365, ribbons 6" o.c.<br>(on each deck flange)<br>TO THERMAL BARRIER:<br>DUOTACK | Additional optional layer(s), min.<br>1.5-inch base insulation followed<br>by min. 0.5-inch DensDeck Prime<br>or SECUROCK Gypsum-Fiber Roof<br>Board                                                                 | DUOTACK                                     | SBS-AA,<br>SBS-TAF                 | (Optional)<br>SBS-AA,<br>SBS-TAF | SBS-AA,<br>SBS-TAF | -97.5                         |
| SC-24.     | 22 ga.,<br>Type B,<br>Grade 40<br>steel | (Optional) Min. 0.5-inch<br>DensDeck Prime or<br>SECUROCK Gypsum-Fiber<br>Roof Board                                                                                        | DUOTACK 365,<br>ribbons 6" o.c.<br>(on each deck<br>flange)                                             | Min. 2-inch<br>ACFoam-II,<br>ACFoam-III, H-<br>Shield or H-Shield<br>CG                              | TO DECK: DUOTACK<br>365, ribbons 6" o.c.<br>(on each deck flange)<br>TO THERMAL BARRIER:<br>DUOTACK | Min. 0.25-inch Pika Ply Recover<br>Board                                                                                                                                                                             | DUOTACK 365,<br>6-inch o.c.                 | SBS-AA,<br>SBS-TAF                 | (Optional)<br>SBS-AA,<br>SBS-TAF | SBS-AA,<br>SBS-TAF | -97.5                         |
| SC-25.     | 22 ga.,<br>Type B,<br>Grade 50<br>steel | (Optional) Min. 0.5-inch<br>DensDeck Prime, DEXcell FA<br>Glass Mat Roof Board or<br>SECUROCK Gypsum-Fiber<br>Roof Board or min. 7/16-<br>inch DEXcell Cement Roof<br>Board | DUOTACK 365,<br>ribbons 6" o.c.<br>(on each deck<br>flange)                                             | Min. 2-inch<br>ACFoam-II,<br>ACFoam-III, H-<br>Shield, H-Shield<br>CG, Multi-Max<br>FA3 or Ultra-Max | DUOTACK 365, ribbons<br>6" o.c.                                                                     | Min. 0.25-in. DensDeck Prime,<br>DEXcell FA Glass Mat Roof Board<br>or SECUROCK Gypsum-Fiber Roof<br>Board or min. 7/16-inch DEXcell<br>Cement Roof Board                                                            | DUOTACK 365,<br>ribbons 6" o.c.             | SBS-AA,<br>SBS-TAF                 | (Optional)<br>SBS-AA,<br>SBS-TAF | SBS-AA,<br>SBS-TAF | -120.0                        |
| SC-26.     | 22 ga.,<br>Type B,<br>Grade 50<br>steel | Min. 0.5-inch DEXcell FA<br>Glass Mat Roof Board or<br>min. 7/16-inch DEXcell<br>Cement Roof Board                                                                          | DUOTACK 365,<br>ribbons 6" o.c.<br>(on each deck<br>flange)                                             | None                                                                                                 | N/A                                                                                                 | None                                                                                                                                                                                                                 | N/A                                         | SBS-AA,<br>SBS-TAF                 | (Optional)<br>SBS-AA,<br>SBS-TAF | SBS-AA,<br>SBS-TAF | -127.5                        |
| SC-27.     | 22 ga.,<br>Type B,<br>Grade 40<br>steel | (Optional) Min. 0.5-inch<br>DensDeck Prime or<br>SECUROCK Gypsum-Fiber<br>Roof Board                                                                                        | APOC Polyset<br>Commercial<br>Roof Adhesive,<br>ribbons 12"<br>o.c. (on every-<br>other deck<br>flange) | Min. 2-inch<br>ACFoam-II,<br>ACFoam-III, H-<br>Shield, H-Shield<br>CG or Multi-Max<br>FA3            | APOC Polyset<br>Commercial Roof<br>Adhesive                                                         | Additional optional layer(s), min.<br>0.5-inch base insulation followed<br>by min. 0.25-inch DensDeck Prime<br>or SECUROCK Gypsum Fiber Roof<br>Board or min. 7/16-inch DEXcell<br>Cement Roof Board                 | APOC Polyset<br>Commercial<br>Roof Adhesive | SBS-AA,<br>SBS-TAF                 | (Optional)<br>SBS-AA,<br>SBS-TAF | SBS-AA,<br>SBS-TAF | -52.5                         |

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**TABLE 10A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER\***REFER TO [TABLE VB-2](#) FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

| SYSTEM NO.                                                                  | DECK<br><a href="#">(4.1.2)</a>         | THERMAL BARRIER                                                                                                                                                                      |                                                                                      | BASE INSULATION LAYER                                                                              |                                                        | TOP INSULATION LAYER(S)                                                                                                                                                                                                                                                                                                |                                                        | ROOF COVER <a href="#">(3.1.4)</a> |                                       |                   | MDP<br><a href="#">(PSF)*</a> |
|-----------------------------------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|------------------------------------|---------------------------------------|-------------------|-------------------------------|
|                                                                             |                                         | TYPE                                                                                                                                                                                 | ATTACH <a href="#">(3.1.3)</a>                                                       | TYPE                                                                                               | ATTACH <a href="#">(3.1.3)</a>                         | TYPE                                                                                                                                                                                                                                                                                                                   | ATTACH <a href="#">(3.1.3)</a>                         | BASE                               | PLY                                   | CAP               |                               |
| SC-28.                                                                      | 22 ga.,<br>Type B,<br>Grade 40<br>steel | (Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board | APOC Polyset Commercial Roof Adhesive, ribbons 12" o.c. (on every-other deck flange) | Min. 1.5-inch ACFoam-II, H-Shield CG, Ultra-Max or Insulfoam IX Roofing EPS                        | APOC Polyset Commercial Roof Adhesive                  | Min. 0.25-inch Pika Ply Recover Board, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board                                                                                                                                                 | APOC Polyset Commercial Roof Adhesive                  | SBS-AA, SBS-TAF                    | (Optional) SBS-AA, SBS-TAF            | SBS-AA, SBS-TAF   | -75.0                         |
| SC-29.                                                                      | 22 ga.,<br>Type B,<br>Grade 40<br>steel | (Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board | APOC Polyset Commercial Roof Adhesive, ribbons 6" o.c. (on each deck flange)         | Min. 1.5-inch ACFoam-II, H-Shield CG, Ultra-Max or Insulfoam IX Roofing EPS                        | APOC Polyset Commercial Roof Adhesive, ribbons 6" o.c. | Min. 0.25-inch Pika Ply Recover Board, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board                                                                                                                                                 | APOC Polyset Commercial Roof Adhesive, ribbons 6" o.c. | SBS-AA, SBS-TAF                    | (Optional) SBS-AA, SBS-TAF            | SBS-AA, SBS-TAF   | -127.5                        |
| <b>ELASTOPHENE STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE PLY:</b> |                                         |                                                                                                                                                                                      |                                                                                      |                                                                                                    |                                                        |                                                                                                                                                                                                                                                                                                                        |                                                        |                                    |                                       |                   |                               |
| SC-30.                                                                      | 22 ga.,<br>Type B,<br>Grade 40<br>steel | (Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board | DUOTACK 365, ribbons 12" o.c. (on every-other deck flange)                           | Min. 2-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3, Ultra-Max or Insulfoam IX | DUOTACK 365                                            | Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch Pika Ply Recover Board. Top surface shall be primed with ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                                                                                                                          | DUOTACK 365                                            | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-AA or SBS-TAF | -45.0*                        |
| SC-31.                                                                      | 22 ga.,<br>Type B,<br>Grade 40<br>steel | (Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board | DUOTACK 365, ribbons 12" o.c. (on every-other deck flange)                           | Min. 2-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3, Ultra-Max or Insulfoam IX | DUOTACK 365                                            | Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | DUOTACK 365                                            | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-AA or SBS-TAF | -45.0*                        |

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**TABLE 10A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER\***REFER TO [TABLE VB-2](#) FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

| SYSTEM No. | DECK <a href="#">(4.1.2)</a>   | THERMAL BARRIER                                                                                                                                                                           |                                                    | BASE INSULATION LAYER                                                                |                                                                                            | TOP INSULATION LAYER(S)                                                                                                                                                                                                                                                           |                                | ROOF COVER <a href="#">(3.1.4)</a> |                                       |                   | MDP <a href="#">(PSF)*</a> |
|------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------|---------------------------------------|-------------------|----------------------------|
|            |                                | TYPE                                                                                                                                                                                      | ATTACH <a href="#">(3.1.3)</a>                     | TYPE                                                                                 | ATTACH <a href="#">(3.1.3)</a>                                                             | TYPE                                                                                                                                                                                                                                                                              | ATTACH <a href="#">(3.1.3)</a> | BASE                               | PLY                                   | CAP               |                            |
| SC-32.     | 22 ga., Type B, Grade 40 steel | (Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board                                                                                                               | DUOTACK 365, ribbons 6" o.c. (on each deck flange) | Min. 2-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG or Multi-Max FA3            | TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange)<br>TO THERMAL BARRIER: DUOTACK | Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch Pika Ply Recover Board. Top surface shall be primed with ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                                                                                     | DUOTACK                        | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-AA or SBS-TAF | -60.0                      |
| SC-33.     | 22 ga., Type B, Grade 40 steel | (Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board                                                                                                               | DUOTACK 365, ribbons 6" o.c. (on each deck flange) | Min. 2-inch ACFoam-II, ACFoam-III, H-Shield or H-Shield CG                           | TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange)<br>TO THERMAL BARRIER: DUOTACK | Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch Pika Ply Recover Board, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | DUOTACK                        | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-AA or SBS-TAF | -82.5                      |
| SC-34.     | 22 ga., Type B, Grade 40 steel | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board followed by SBS-TAF (sand-surfaced)                                                             | DUOTACK 365, ribbons 6" o.c. (on each deck flange) | Min. 2-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG or Insulfoam VIII           | DUOTACK 365                                                                                | Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch Pika Ply Recover Board. Top surface shall be primed with ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                                                                                     | DUOTACK 365                    | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-AA or SBS-TAF | -82.5                      |
| SC-35.     | 22 ga., Type B, Grade 50 steel | (Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board                                  | DUOTACK 365, ribbons 6" o.c. (on each deck flange) | Min. 2-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | DUOTACK 365, ribbons 6" o.c.                                                               | Min. 0.25-in. DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                                     | DUOTACK 365, ribbons 6" o.c.   | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-AA or SBS-TAF | -120.0                     |
| SC-36.     | 22 ga., Type B, Grade 50 steel | Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | DUOTACK 365, ribbons 6" o.c. (on each deck flange) | None                                                                                 | N/A                                                                                        | None                                                                                                                                                                                                                                                                              | N/A                            | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-AA or SBS-TAF | -127.5                     |

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**TABLE 10A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER\***REFER TO [TABLE VB-2](#) FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

| SYSTEM No. | DECK<br><a href="#">(4.1.2)</a>         | THERMAL BARRIER                                                                                                                                                                                           |                                                                                                         | BASE INSULATION LAYER                                                                        |                                                              | TOP INSULATION LAYER(S)                                                                                                                                                                                                                                                                                       |                                                                    | ROOF COVER <a href="#">(3.1.4)</a> |                                                |                          | MDP<br><a href="#">(PSF)*</a> |
|------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|------------------------------------|------------------------------------------------|--------------------------|-------------------------------|
|            |                                         | TYPE                                                                                                                                                                                                      | ATTACH <a href="#">(3.1.3)</a>                                                                          | TYPE                                                                                         | ATTACH <a href="#">(3.1.3)</a>                               | TYPE                                                                                                                                                                                                                                                                                                          | ATTACH <a href="#">(3.1.3)</a>                                     | BASE                               | PLY                                            | CAP                      |                               |
| SC-37.     | 22 ga.,<br>Type B,<br>Grade 40<br>steel | (Optional) Min. 0.5-inch<br>DensDeck Prime or<br>SECUROCK Gypsum-Fiber<br>Roof Board                                                                                                                      | APOC Polyset<br>Commercial<br>Roof Adhesive,<br>ribbons 12" o.c. (on every-<br>other deck<br>flange)    | Min. 2-inch<br>ACFoam-II,<br>ACFoam-III, H-<br>Shield, H-Shield<br>CG or Multi-Max<br>FA3    | APOC Polyset<br>Commercial Roof<br>Adhesive                  | Additional optional layer(s), min.<br>0.5-inch base insulation followed<br>by min. 0.25-inch DensDeck Prime<br>or SECUROCK Gypsum Fiber Roof<br>Board or min. 7/16-inch DEXcell<br>Cement Roof Board. Top surface<br>shall be primed with ELASTOCOL<br>Stick, ELASTOCOL Stick Zero or<br>ELASTOCOL Stick LVOC | APOC Polyset<br>Commercial<br>Roof Adhesive                        | SBS-SA1                            | (Optional)<br>SBS-AA,<br>SBS-SA1 or<br>SBS-TAF | SBS-AA<br>or SBS-<br>TAF | -52.5                         |
| SC-38.     | 22 ga.,<br>Type B,<br>Grade 40<br>steel | (Optional) Min. 0.5-inch<br>DensDeck Prime, DEXcell<br>FA Glass Mat Roof Board,<br>SECUROCK Gypsum-Fiber<br>Roof Board or SECUROCK<br>Cement Roof Board or<br>min. 7/16-inch DEXcell<br>Cement Roof Board | APOC Polyset<br>Commercial<br>Roof<br>Adhesive,<br>ribbons 12" o.c. (on every-<br>other deck<br>flange) | Min. 1.5-inch<br>ACFoam-II, H-<br>Shield CG, Ultra-<br>Max or<br>Insulfoam IX<br>Roofing EPS | APOC Polyset<br>Commercial Roof<br>Adhesive                  | Min. 0.25-inch Pika Ply Recover<br>Board or DensDeck Prime. Top<br>surface shall be primed with<br>ELASTOCOL Stick Zero or<br>ELASTOCOL Stick LVOC                                                                                                                                                            | APOC Polyset<br>Commercial<br>Roof Adhesive                        | SBS-SA1                            | (Optional)<br>SBS-AA,<br>SBS-SA1 or<br>SBS-TAF | SBS-AA<br>or SBS-<br>TAF | -75.0                         |
| SC-39.     | 22 ga.,<br>Type B,<br>Grade 40<br>steel | (Optional) Min. 0.5-inch<br>DensDeck Prime, DEXcell<br>FA Glass Mat Roof Board,<br>SECUROCK Gypsum-Fiber<br>Roof Board or SECUROCK<br>Cement Roof Board or<br>min. 7/16-inch DEXcell<br>Cement Roof Board | APOC Polyset<br>Commercial<br>Roof<br>Adhesive,<br>ribbons 12" o.c. (on every-<br>other deck<br>flange) | Min. 1.5-inch<br>ACFoam-II, H-<br>Shield CG, Ultra-<br>Max or<br>Insulfoam IX<br>Roofing EPS | APOC Polyset<br>Commercial Roof<br>Adhesive                  | Min. 0.25-inch DEXcell FA Glass<br>Mat Roof Board or SECUROCK<br>Gypsum-Fiber Roof Board or<br>min. 7/16-inch DEXcell Cement<br>Roof Board. Top surface shall<br>be primed with ELASTOCOL<br>Stick, ELASTOCOL Stick Zero or<br>ELASTOCOL Stick LVOC                                                           | APOC Polyset<br>Commercial<br>Roof Adhesive                        | SBS-SA1                            | (Optional)<br>SBS-AA,<br>SBS-SA1 or<br>SBS-TAF | SBS-AA<br>or SBS-<br>TAF | -75.0                         |
| SC-40.     | 22 ga.,<br>Type B,<br>Grade 40<br>steel | (Optional) Min. 0.5-inch<br>DensDeck Prime, DEXcell<br>FA Glass Mat Roof Board,<br>SECUROCK Gypsum-Fiber<br>Roof Board or SECUROCK<br>Cement Roof Board or<br>min. 7/16-inch DEXcell<br>Cement Roof Board | APOC Polyset<br>Commercial<br>Roof<br>Adhesive,<br>ribbons 6" o.c. (on each deck<br>flange)             | Min. 1.5-inch<br>ACFoam-II, H-<br>Shield CG, Ultra-<br>Max or<br>Insulfoam IX<br>Roofing EPS | APOC Polyset<br>Commercial Roof<br>Adhesive, ribbons 6" o.c. | Min. 0.25-inch Pika Ply Recover<br>Board or DensDeck Prime. Top<br>surface shall be primed with<br>ELASTOCOL Stick Zero or<br>ELASTOCOL Stick LVOC                                                                                                                                                            | APOC Polyset<br>Commercial<br>Roof<br>Adhesive,<br>ribbons 6" o.c. | SBS-SA1                            | (Optional)<br>SBS-AA,<br>SBS-SA1 or<br>SBS-TAF | SBS-AA<br>or SBS-<br>TAF | -127.5                        |
| SC-41.     | 22 ga.,<br>Type B,<br>Grade 40<br>steel | (Optional) Min. 0.5-inch<br>DensDeck Prime, DEXcell<br>FA Glass Mat Roof Board,<br>SECUROCK Gypsum-Fiber<br>Roof Board or SECUROCK<br>Cement Roof Board or<br>min. 7/16-inch DEXcell<br>Cement Roof Board | APOC Polyset<br>Commercial<br>Roof<br>Adhesive,<br>ribbons 6" o.c. (on each deck<br>flange)             | Min. 1.5-inch<br>ACFoam-II, H-<br>Shield CG, Ultra-<br>Max or<br>Insulfoam IX<br>Roofing EPS | APOC Polyset<br>Commercial Roof<br>Adhesive, ribbons 6" o.c. | Min. 0.25-inch DEXcell FA Glass<br>Mat Roof Board or SECUROCK<br>Gypsum-Fiber Roof Board or<br>min. 7/16-inch DEXcell Cement<br>Roof Board. Top surface shall<br>be primed with ELASTOCOL<br>Stick, ELASTOCOL Stick Zero or<br>ELASTOCOL Stick LVOC                                                           | APOC Polyset<br>Commercial<br>Roof<br>Adhesive,<br>ribbons 6" o.c. | SBS-SA1                            | (Optional)<br>SBS-AA,<br>SBS-SA1 or<br>SBS-TAF | SBS-AA<br>or SBS-<br>TAF | -127.5                        |

ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE PLY:

[BACK TO TOP](#)[LINK TO TOP OF ATTACHMENT REQUIREMENTS](#)

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**TABLE 10A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)****SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER\***REFER TO [TABLE VB-2](#) FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

| SYSTEM No. | DECK <a href="#">(4.1.2)</a>   | THERMAL BARRIER                                                                                                                                                                      |                                                                                      | BASE INSULATION LAYER                                                       |                                       | TOP INSULATION LAYER(S)                                                                                                                                                                                                              |                                       | ROOF COVER <a href="#">(3.1.4)</a> |                            |                   | MDP (Psf)* |
|------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------|----------------------------|-------------------|------------|
|            |                                | TYPE                                                                                                                                                                                 | ATTACH <a href="#">(3.1.3)</a>                                                       | TYPE                                                                        | ATTACH <a href="#">(3.1.3)</a>        | TYPE                                                                                                                                                                                                                                 | ATTACH <a href="#">(3.1.3)</a>        | BASE                               | PLY                        | CAP               |            |
| SC-42.     | 22 ga., Type B, Grade 40 steel | (Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Cement Roof Board or min. 7/16-inch DEXcell Cement Roof Board | APOC Polyset Commercial Roof Adhesive, ribbons 12" o.c. (on every-other deck flange) | Min. 1.5-inch ACFoam-II, H-Shield CG, Ultra-Max or Insulfoam IX Roofing EPS | APOC Polyset Commercial Roof Adhesive | Min. 0.25-inch Pika Ply Recover Board, DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | APOC Polyset Commercial Roof Adhesive | SBS-AA, SBS-TAF                    | (Optional) SBS-AA, SBS-TAF | SBS-AA or SBS-TAF | -75.0      |

**TABLE 10B: 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 <a href="#">(4.1.2)</a>                               | BASE INSULATION LAYER                                                                  |                                                                                                         |                                 | TOP INSULATION LAYER                                                                                                                            |                                | ROOF COVER <a href="#">(3.1.4)</a> |                    |                    | MDP <a href="#">(Psf)</a> |
|------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------|--------------------|--------------------|---------------------------|
|                        |                                                            | TYPE                                                                                   | FASTENER <a href="#">(4.2.2)</a>                                                                        | ATTACH <a href="#">(3.1.2E)</a> | TYPE                                                                                                                                            | ATTACH <a href="#">(3.1.3)</a> | BASE                               | PLY                | CAP                |                           |
| COLD APPLIED BASE PLY: |                                                            |                                                                                        |                                                                                                         |                                 |                                                                                                                                                 |                                |                                    |                    |                    |                           |
| SC-43.                 | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 1.5-inch ACFoam-II or H-Shield                                                    | <a href="#">3.1.1</a>                                                                                   | 1 per 2.0 ft²                   | Min. 1.4-inch ACFoam-II or H-Shield                                                                                                             | hot asphalt                    | SBS-CA4                            | (Optional) SBS-CA4 | SBS-CA4            | -30.0*                    |
| SC-44.                 | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 1.5-inch ACFoam-II or H-Shield                                                    | <a href="#">3.1.1</a>                                                                                   | 1 per 2.0 ft²                   | Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating                                                                                  | hot asphalt                    | SBS-CA4                            | (Optional) SBS-CA4 | SBS-CA4            | -45.0*                    |
| SC-45.                 | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 1.5-inch ACFoam-II or H-Shield                                                    | <a href="#">3.1.1</a>                                                                                   | 1 per 2.0 ft²                   | Min. 1.4-inch ACFoam-II or H-Shield                                                                                                             | DUOTACK                        | SBS-CA4                            | (Optional) SBS-CA4 | SBS-CA4            | -30.0*                    |
| SC-46.                 | Min. 22 ga., Type B, Grade 40 steel or structural concrete | Min. 1.5-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3” Metal Insulation Plate | 1 per 2.0 ft²                   | Insulation: (Optional) additional layer(s), min. 1-inch base insulation<br>Coverboard: 0.5-in. Blue Ridge Structodek HD with Primed Red Coating | DUOTACK                        | SBS-CA4                            | (Optional) SBS-CA4 | SBS-CA3 or SBS-CA4 | -45.0*                    |
| SC-47.                 | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 1.5-inch ACFoam-II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max              | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3” Metal Insulation Plate | 1 per 2.0 ft²                   | Min. 0.125-inch Pika Ply Recover Board                                                                                                          | DUOTACK                        | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA4 | SBS-CA3 or SBS-CA4 | -45.0*                    |

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**TABLE 10B: 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 <a href="#">(4.1.2)</a>                               | BASE INSULATION LAYER                                                                |                                                                                                          |                                 | TOP INSULATION LAYER                                                                                                                                                                                                                             |                                | ROOF COVER <a href="#">(3.1.4)</a> |                    |                                    | MDP <a href="#">(PSF)</a> |
|------------|------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------|--------------------|------------------------------------|---------------------------|
|            |                                                            | TYPE                                                                                 | FASTENER <a href="#">(4.2.2)</a>                                                                         | ATTACH <a href="#">(3.1.2e)</a> | TYPE                                                                                                                                                                                                                                             | ATTACH <a href="#">(3.1.3)</a> | BASE                               | PLY                | CAP                                |                           |
| SC-48.     | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 1.5-inch ACFoam-II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max            | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 2.0 ft <sup>2</sup>       | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board                                                                                                   | DUOTACK                        | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA4 | SBS-CA3, SBS-CA4SBS-CA3 or SBS-CA4 | -45.0*                    |
| SC-49.     | Min. 22 ga., Type B, Grade 33 steel                        | Min. 0.5-inch DEXcell FA Glass Mat Roof Board                                        | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 4.0 ft <sup>2</sup>       | Min. 1-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max; followed by Min. 0.125-inch Pika Ply Recover Board                                                                                                         | DUOTACK                        | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA4 | SBS-CA3 or SBS-CA4                 | -45.0*                    |
| SC-50.     | Min. 22 ga., Type B, Grade 33 steel                        | Min. 0.5-inch DEXcell FA Glass Mat Roof Board                                        | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 4.0 ft <sup>2</sup>       | Min. 1-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max; followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board | DUOTACK                        | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA4 | SBS-CA3, SBS-CA4SBS-CA3 or SBS-CA4 | -45.0*                    |
| SC-51.     | Min. 22 ga., Type B, Grade 40 steel or structural concrete | Min. 2-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 4.0 ft <sup>2</sup>       | Insulation: (Optional) additional layer(s), min. 1-inch base insulation Coverboard: 0.5-in. Blue Ridge Structodek HD with Primed Red Coating                                                                                                     | DUOTACK                        | SBS-CA4                            | (Optional) SBS-CA4 | SBS-CA3 or SBS-CA4                 | -45.0*                    |
| SC-52.     | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 2-inch ACFoam-II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max              | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 4.0 ft <sup>2</sup>       | Min. 0.125-inch Pika Ply Recover Board                                                                                                                                                                                                           | DUOTACK                        | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA4 | SBS-CA3 or SBS-CA4                 | -45.0*                    |
| SC-53.     | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 2-inch ACFoam-II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max              | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 4.0 ft <sup>2</sup>       | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board                                                                                                   | DUOTACK                        | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA4 | SBS-CA3, SBS-CA4SBS-CA3 or SBS-CA4 | -45.0*                    |
| SC-54.     | Min. 22 ga. Type B, Grade 33 steel or structural concrete  | Min. 1.5-inch ACFoam-II, ACFoam-III, H-Shield or H-Shield CG                         | Dekfast DF-#15-PH3 or Trufast #15 EHD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 1.8 ft <sup>2</sup>       | Additional layer(s) base insulation followed by min. 0.125-inch Pika Ply Recover Board                                                                                                                                                           | DUOTACK                        | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA4 | SBS-CA3 or SBS-CA4                 | -52.5                     |
| SC-55.     | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 2-inch ACFoam-II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max              | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 1.6 ft <sup>2</sup>       | Min. 0.25-inch Pika Ply Recover Board                                                                                                                                                                                                            | DUOTACK                        | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA4 | SBS-CA4 or SBS-CA3                 | -82.5                     |

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**TABLE 10B: 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 <a href="#">(4.1.2)</a>                               | BASE INSULATION LAYER                                                                                         |                                                                                                         |                                 | TOP INSULATION LAYER                                                                                                                                                |                                         | ROOF COVER <a href="#">(3.1.4)</a> |                    |                                     | MDP <a href="#">(PSF)</a> |
|------------|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------|--------------------|-------------------------------------|---------------------------|
|            |                                                            | TYPE                                                                                                          | FASTENER <a href="#">(4.2.2)</a>                                                                        | ATTACH <a href="#">(3.1.2e)</a> | TYPE                                                                                                                                                                | ATTACH <a href="#">(3.1.3)</a>          | BASE                               | PLY                | CAP                                 |                           |
| SC-56.     | Min. 22 ga., Type B, Grade 40 steel                        | Min. 0.5-inch DEXcell FA Glass Mat Roof Board, mechanically attached, and followed by SBS-TAF (sand-surfaced) | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 2.0 ft <sup>2</sup>       | INSULATION: Min. 2-inch ACFoam-II, ACFoam-III, H-Shield or H-Shield CG, SOPRA-XPS or Insulfoam VIII followed by COVERBOARD: min. 0.125-inch Pika Ply Recover Board. | DUOTACK 365                             | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA4 | SBS-CA4 or SBS-CA3                  | -82.5                     |
| SC-57.     | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 2-inch ACFoam-II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max                                       | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 1.6 ft <sup>2</sup>       | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board                      | DUOTACK                                 | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA4 | SBS-CA3 or SBS-CA4                  | -82.5                     |
| SC-58.     | Min. 22 ga., Type B, Grade 40 steel or structural concrete | Min 2-inch H-Shield                                                                                           | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 1.0 ft <sup>2</sup>       | Min. 0.25-inch Pika Ply Recover Board                                                                                                                               | DUOTACK 365, 6-inch o.c.                | SBS-CA3                            | None               | SBS-CA3                             | -135.0                    |
| SC-59.     | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 1.5-inch ACFoam-II                                                                                       | <a href="#">3.1.1</a>                                                                                   | 1 per 2.0 ft <sup>2</sup>       | Min. 1.4-inch ACFoam-II                                                                                                                                             | APOC Polyset Commercial I Roof Adhesive | SBS-CA4                            | (Optional) SBS-CA4 | SBS-CA4                             | -30.0*                    |
| SC-60.     | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 1.5-inch ACFoam-II, H-Shield CG or Ultra-Max                                                              | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 2.0 ft <sup>2</sup>       | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board                                                       | APOC Polyset Commercial Roof Adhesive   | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA4 | SBS-CA3 or SBS-CA4                  | -45.0*                    |
| SC-61.     | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 2-inch ACFoam-II, H-Shield CG or Ultra-Max                                                                | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup>       | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board                                                       | APOC Polyset Commercial Roof Adhesive   | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA4 | SBS-CA3 or SBS-CA4                  | -45.0*                    |
| SC-62.     | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 2-inch ACFoam-II, H-Shield CG or Ultra-Max                                                                | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 1.6 ft <sup>2</sup>       | Min. 0.25-inch Pika Ply Recover Board or DEXcell FA Glass Mat Roof Board                                                                                            | APOC Polyset Commercial Roof Adhesive   | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA4 | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -75.0                     |
| SC-63.     | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 2-inch ACFoam-II, H-Shield CG or Ultra-Max                                                                | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 1.6 ft <sup>2</sup>       | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board                                                       | APOC Polyset Commercial Roof Adhesive   | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA4 | SBS-CA3 or SBS-CA4                  | -82.5                     |

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**TABLE 10B: 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 <a href="#">(4.1.2)</a>                               | BASE INSULATION LAYER                                                     |                                                                                                                                              |                                 | TOP INSULATION LAYER                                                                                                                                                                                                                             |                                                | ROOF COVER <a href="#">(3.1.4)</a> |                                                |                                     | MDP <a href="#">(PSF)</a> |
|---------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------|------------------------------------------------|-------------------------------------|---------------------------|
|                                       |                                                            | TYPE                                                                      | FASTENER <a href="#">(4.2.2)</a>                                                                                                             | ATTACH <a href="#">(3.1.2e)</a> | TYPE                                                                                                                                                                                                                                             | ATTACH <a href="#">(3.1.3)</a>                 | BASE                               | PLY                                            | CAP                                 |                           |
| SC-64.                                | Min. 22 ga., Type B, Grade 40 steel or structural concrete | Min. 2-inch ACFoam-II                                                     | Dekfast DF-#14-PH3, Trufast #14 HD, Dekfast DF-#15-PHD or Trufast #15 EHD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 1.0 ft <sup>2</sup>       | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board                                                                                                                                                                                | APOC Polyset Commercial Roof Adhesive          | SBS-CA4                            | None                                           | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -105.0                    |
| SC-65.                                | Min. 22 ga., Type B, Grade 40 steel or structural concrete | Min. 2-inch ACFoam-II                                                     | Dekfast DF-#14-PH3, Trufast #14 HD, Dekfast DF-#15-PHD or Trufast #15 EHD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 1.0 ft <sup>2</sup>       | Min. 0.25-inch Pika Ply Recover Board, DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board                                                                                                                               | APOC Polyset Commercial Roof Adhesive, 6" o.c. | SBS-CA4                            | None                                           | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -105.0                    |
| SC-66.                                | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 1.5-inch ACFoam-II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate                                      | 1 per 2.0 ft <sup>2</sup>       | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board                                                                                                   | Trufast RA                                     | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA4                             | SBS-CA3, SBS-CA4SBS-CA3 or SBS-CA4  | -45.0*                    |
| SC-67.                                | Min. 22 ga., Type B, Grade 33 steel                        | Min. 0.5-inch DEXcell FA Glass Mat Roof Board                             | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate                                      | 1 per 4.0 ft <sup>2</sup>       | Min. 1-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max; followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board | Trufast RA                                     | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA4                             | SBS-CA3, SBS-CA4SBS-CA3 or SBS-CA4  | -45.0*                    |
| SC-68.                                | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 2-inch ACFoam-II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max   | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate                                      | 1 per 4.0 ft <sup>2</sup>       | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board                                                                                                   | Trufast RA                                     | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA4                             | SBS-CA3, SBS-CA4SBS-CA3 or SBS-CA4  | -45.0*                    |
| <b>HOT OR TORCH APPLIED BASE PLY:</b> |                                                            |                                                                           |                                                                                                                                              |                                 |                                                                                                                                                                                                                                                  |                                                |                                    |                                                |                                     |                           |
| SC-69.                                | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 1.5-inch ACFoam-II or H-Shield                                       | <a href="#">3.1.1</a>                                                                                                                        | 1 per 2.0 ft <sup>2</sup>       | Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating or Min. 0.75-inch Fesco Board (homogeneous).                                                                                                                                      | hot asphalt                                    | SBS-AA                             | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF          | -45.0*                    |
| SC-70.                                | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 1.5-inch ACFoam-II or H-Shield                                       | <a href="#">3.1.1</a>                                                                                                                        | 1 per 2.0 ft <sup>2</sup>       | Min. 0.125-inch Pika Ply Recover Board, Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board                                                                                                                                        | hot asphalt                                    | SBS-AA, SBS-TAF                    | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF          | -45.0*                    |
| SC-71.                                | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 2-inch ACFoam-II or H-Shield                                         | <a href="#">3.1.1</a>                                                                                                                        | 1 per 4.0 ft <sup>2</sup>       | Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating or min. 0.75-inch Fesco Board (homogeneous)                                                                                                                                       | hot asphalt                                    | SBS-AA                             | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF          | -45.0*                    |

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**TABLE 10B: 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 <a href="#">(4.1.2)</a>                               | BASE INSULATION LAYER                                                     |                                                                                                                                                             |                                 | TOP INSULATION LAYER                                                                                                                                                                                                                                                                     |                                | ROOF COVER <a href="#">(3.1.4)</a> |                                                |                            | MDP <a href="#">(PSF)</a> |
|------------|------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------|------------------------------------------------|----------------------------|---------------------------|
|            |                                                            | TYPE                                                                      | FASTENER <a href="#">(4.2.2)</a>                                                                                                                            | ATTACH <a href="#">(3.1.2e)</a> | TYPE                                                                                                                                                                                                                                                                                     | ATTACH <a href="#">(3.1.3)</a> | BASE                               | PLY                                            | CAP                        |                           |
| SC-72.     | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 2-inch ACFoam-II or H-Shield                                         | <a href="#">3.1.1</a>                                                                                                                                       | 1 per 4.0 ft <sup>2</sup>       | Min. 0.125-inch Pika Ply Recover Board, Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board                                                                                                                                                                                | hot asphalt                    | SBS-AA, SBS-TAF                    | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF | -45.0*                    |
| SC-73.     | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 1.5-inch ACFoam-II or H-Shield                                       | <a href="#">3.1.1</a>                                                                                                                                       | 1 per 2.0 ft <sup>2</sup>       | Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating                                                                                                                                                                                                                           | hot asphalt                    | SBS-AA                             | (Optional) SBS-AA or SBS-TAF                   | SBS-AA or SBS-TAF          | -45.0*                    |
| SC-74.     | Min. 22 ga. Type B, Grade 33 steel or structural concrete  | Min. 2-inch ACFoam-II or ENRGY 3                                          | <a href="#">3.1.1</a>                                                                                                                                       | 1 per 2.0 ft <sup>2</sup>       | Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board                                                                                                                                                                                                                                         | hot asphalt                    | SBS-TAF                            | (Optional) SBS-AA or SBS-TAF                   | SBS-AA or SBS-TAF          | -60.0                     |
| SC-75.     | Min. 22 ga. Type B, Grade 33 steel or structural concrete  | Min. 2-inch ACFoam-II or ENRGY 3                                          | <a href="#">3.1.1</a>                                                                                                                                       | 1 per 2.0 ft <sup>2</sup>       | Min. 0.5-inch DensDeck Prime                                                                                                                                                                                                                                                             | hot asphalt                    | SBS-TAF                            | (Optional) SBS-AA or SBS-TAF                   | SBS-AA or SBS-TAF          | -60.0                     |
| SC-76.     | 22 ga., Type B, Grade 33 steel or structural concrete      | Min. 2-inch ACFoam-II or ENRGY 3                                          | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate or OMG #14 Roofgrip with Accutrac Flat Bottom Plate | 1 per 1.45 ft <sup>2</sup>      | Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating                                                                                                                                                                                                                           | hot asphalt                    | SBS-AA                             | (Optional) SBS-AA or SBS-TAF                   | SBS-AA or SBS-TAF          | -60.0                     |
| SC-77.     | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 1.5-inch ACFoam-II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate                                                     | 1 per 2.0 ft <sup>2</sup>       | Min. 0.125-inch Pika Ply Recover Board, Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board                                                                                                   | DUOTACK                        | SBS-AA, SBS-TAF                    | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF | -45.0*                    |
| SC-78.     | Min. 22 ga., Type B, Grade 33 steel                        | Min. 0.5-inch DEXcell FA Glass Mat Roof Board                             | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate                                                     | 1 per 4.0 ft <sup>2</sup>       | Min. 1-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max; followed by min. 0.125-inch Pika Ply Recover Board, Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board | DUOTACK                        | SBS-AA, SBS-TAF                    | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF | -45.0*                    |
| SC-79.     | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 2-inch ACFoam-II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max   | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate                                                     | 1 per 4.0 ft <sup>2</sup>       | Min. 0.125-inch Pika Ply Recover Board, Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board                                                                                                   | DUOTACK                        | SBS-AA, SBS-TAF                    | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF | -45.0*                    |
| SC-80.     | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 1.5-inch ACFoam-II or H-Shield                                       | <a href="#">3.1.1</a>                                                                                                                                       | 1 per 2.0 ft <sup>2</sup>       | Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating                                                                                                                                                                                                                           | DUOTACK                        | SBS-AA                             | (Optional) SBS-AA or SBS-TAF                   | SBS-AA or SBS-TAF          | -45.0*                    |

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**TABLE 10B: 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 <a href="#">(4.1.2)</a>                               | BASE INSULATION LAYER                                                                                         |                                                                                                          |                                 | TOP INSULATION LAYER                                                                                                                                                   |                                       | ROOF COVER <a href="#">(3.1.4)</a> |                                                |                            | MDP <a href="#">(PSF)</a> |
|------------|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------|------------------------------------------------|----------------------------|---------------------------|
|            |                                                            | TYPE                                                                                                          | FASTENER <a href="#">(4.2.2)</a>                                                                         | ATTACH <a href="#">(3.1.2e)</a> | TYPE                                                                                                                                                                   | ATTACH <a href="#">(3.1.3)</a>        | BASE                               | PLY                                            | CAP                        |                           |
| SC-81.     | Min. 22 ga. Type B, Grade 33 steel or structural concrete  | Min. 1.5-inch ACFoam-II, ACFoam-III, H-Shield or H-Shield CG                                                  | Dekfast DF-#15-PH3 or Trufast #15 EHD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 1.8 ft <sup>2</sup>       | Additional layer(s) base insulation followed by min. 0.125-inch Pika Ply Recover Board                                                                                 | DUOTACK                               | SBS-AA, SBS-TAF                    | (Optional) SBS-AA, SBS-TAF                     | SBS-AA or SBS-TAF          | -52.5                     |
| SC-82.     | Min. 22 ga. Type B, Grade 33 steel or structural concrete  | Min. 2-inch ACFoam-II or ENRGY 3                                                                              | <a href="#">3.1.1</a>                                                                                    | 1 per 2.0 ft <sup>2</sup>       | Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board                                                                                                                       | DUOTACK                               | SBS-TAF                            | (Optional) SBS-AA or SBS-TAF                   | SBS-AA or SBS-TAF          | -60.0                     |
| SC-83.     | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 2-inch ACFoam-II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max                                       | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 1.6 ft <sup>2</sup>       | Min. 0.25-inch Pika Ply Recover Board, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board | DUOTACK                               | SBS-AA, SBS-TAF                    | (Optional) SBS-AA, SBS-TAF                     | SBS-AA or SBS-TAF          | -82.5                     |
| SC-84.     | Min. 22 ga., Type B, Grade 40 steel                        | Min. 0.5-inch DEXcell FA Glass Mat Roof Board, mechanically attached, and followed by SBS-TAF (sand-surfaced) | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 2.0 ft <sup>2</sup>       | INSULATION: Min. 2-inch ACFoam-II, ACFoam-III, H-Shield or H-Shield CG, SOPRA-XPS or Insulfoam VIII followed by COVERBOARD: min. 0.125-inch Pika Ply Recover Board.    | DUOTACK 365                           | SBS-AA, SBS-TAF                    | (Optional) SBS-AA, SBS-TAF                     | SBS-AA or SBS-TAF          | -82.5                     |
| SC-85.     | Min. 22 ga., Type B, Grade 40 steel or structural concrete | Min 2-inch H-Shield                                                                                           | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 1.0 ft <sup>2</sup>       | Min. 0.25-inch Pika Ply Recover Board                                                                                                                                  | DUOTACK 365, 6-inch o.c.              | SBS-AA, SBS-TAF                    | SBS-AA, SBS-TAF                                | SBS-AA or SBS-TAF          | -135.0                    |
| SC-86.     | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 1.5-inch ACFoam-II, H-Shield CG or Ultra-Max                                                              | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 2.0 ft <sup>2</sup>       | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board                                                          | APOC Polyset Commercial Roof Adhesive | SBS-AA, SBS-TAF                    | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF | -45.0*                    |
| SC-87.     | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 2-inch ACFoam-II, H-Shield CG or Ultra-Max                                                                | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 4.0 ft <sup>2</sup>       | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board                                                          | APOC Polyset Commercial Roof Adhesive | SBS-AA, SBS-TAF                    | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF | -45.0*                    |
| SC-88.     | Min. 22 ga. Type B, Grade 33 steel or structural concrete  | Min. 2-inch ACFoam-II                                                                                         | <a href="#">3.1.1</a>                                                                                    | 1 per 2.0 ft <sup>2</sup>       | Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board                                                                                                                       | APOC Polyset Commercial Roof Adhesive | SBS-TAF                            | (Optional) SBS-AA or SBS-TAF                   | SBS-AA or SBS-TAF          | -60.0                     |
| SC-89.     | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 2-inch ACFoam-II, H-Shield CG or Ultra-Max                                                                | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 1.6 ft <sup>2</sup>       | Min. 0.25-inch Pika Ply Recover Board or DEXcell FA Glass Mat Roof Board                                                                                               | APOC Polyset Commercial Roof Adhesive | SBS-AA, SBS-TAF                    | (Optional) SBS-AA, SBS-TAF                     | SBS-AA or SBS-TAF          | -75.0                     |

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**TABLE 10B: 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 <a href="#">(4.1.2)</a>                               | BASE INSULATION LAYER                                                     |                                                                                                                                              |                                 | TOP INSULATION LAYER                                                                                                                                                                                                                             |                                                | ROOF COVER <a href="#">(3.1.4)</a> |                                                |                            | MDP <a href="#">(PSF)</a> |
|-----------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------|------------------------------------------------|----------------------------|---------------------------|
|                                                                             |                                                            | TYPE                                                                      | FASTENER <a href="#">(4.2.2)</a>                                                                                                             | ATTACH <a href="#">(3.1.2e)</a> | TYPE                                                                                                                                                                                                                                             | ATTACH <a href="#">(3.1.3)</a>                 | BASE                               | PLY                                            | CAP                        |                           |
| SC-90.                                                                      | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 2-inch ACFoam-II, H-Shield CG or Ultra-Max                            | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate                                      | 1 per 1.6 ft <sup>2</sup>       | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board                                                                                                                                    | APOC Polyset Commercial Roof Adhesive          | SBS-AA, SBS-TAF                    | (Optional) SBS-AA, SBS-TAF                     | SBS-AA or SBS-TAF          | -82.5                     |
| SC-91.                                                                      | Min. 22 ga., Type B, Grade 40 steel or structural concrete | Min. 2-inch ACFoam-II                                                     | Dekfast DF-#14-PH3, Trufast #14 HD, Dekfast DF-#15-PHD or Trufast #15 EHD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 1.0 ft <sup>2</sup>       | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board                                                                                                                                                                                | APOC Polyset Commercial Roof Adhesive          | SBS-AA, SBS-TAF                    | (Optional) SBS-AA, SBS-TAF                     | SBS-AA or SBS-TAF          | -105.0                    |
| SC-92.                                                                      | Min. 22 ga., Type B, Grade 40 steel or structural concrete | Min. 2-inch ACFoam-II                                                     | Dekfast DF-#14-PH3, Trufast #14 HD, Dekfast DF-#15-PHD or Trufast #15 EHD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 1.0 ft <sup>2</sup>       | Min. 0.25-inch Pika Ply Recover Board, DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board                                                                                                                               | APOC Polyset Commercial Roof Adhesive, 6" o.c. | SBS-AA, SBS-TAF                    | (Optional) SBS-AA, SBS-TAF                     | SBS-AA or SBS-TAF          | -105.0                    |
| SC-93.                                                                      | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 1.5-inch ACFoam-II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate                                      | 1 per 2.0 ft <sup>2</sup>       | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board                                                                                                   | Trufast RA                                     | SBS-AA, SBS-TAF                    | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF | -45.0*                    |
| SC-94.                                                                      | Min. 22 ga., Type B, Grade 33 steel                        | Min. 0.5-inch DEXcell FA Glass Mat Roof Board                             | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate                                      | 1 per 4.0 ft <sup>2</sup>       | Min. 1-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max; followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board | Trufast RA                                     | SBS-AA, SBS-TAF                    | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF | -45.0*                    |
| SC-95.                                                                      | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 2-inch ACFoam-II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max   | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate                                      | 1 per 4.0 ft <sup>2</sup>       | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board                                                                                                   | Trufast RA                                     | SBS-AA, SBS-TAF                    | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF | -45.0*                    |
| <b>ELASTOPHENE STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE PLY:</b> |                                                            |                                                                           |                                                                                                                                              |                                 |                                                                                                                                                                                                                                                  |                                                |                                    |                                                |                            |                           |
| SC-96.                                                                      | Min. 22 ga. Type B, Grade 33 steel or structural concrete  | Min. 2-inch ACFoam-II or ENRGY 3                                          | <a href="#">3.1.1</a>                                                                                                                        | 1 per 2.0 ft <sup>2</sup>       | Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board                                                                                                                                                                                                 | hot asphalt                                    | SBS-SA1                            | (Optional) SBS-AA or SBS-TAF                   | SBS-AA or SBS-TAF          | -60.0                     |

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**TABLE 10B: 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 <a href="#">(4.1.2)</a>                               | BASE INSULATION LAYER                                                                                                                                                          |                                                                                                         |                                 | TOP INSULATION LAYER                                                                                                                                                                                                                                                                                                                             |                                | ROOF COVER <a href="#">(3.1.4)</a> |                                                |                            | MDP <a href="#">(PSF)</a> |
|------------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------|------------------------------------------------|----------------------------|---------------------------|
|            |                                                            | TYPE                                                                                                                                                                           | FASTENER <a href="#">(4.2.2)</a>                                                                        | ATTACH <a href="#">(3.1.2e)</a> | TYPE                                                                                                                                                                                                                                                                                                                                             | ATTACH <a href="#">(3.1.3)</a> | BASE                               | PLY                                            | CAP                        |                           |
| SC-97.     | Min. 22 ga. Type B, Grade 33 steel or structural concrete  | Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min 1.5-inch ACFoam-II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 2.0 ft <sup>2</sup>       | Min. 1.5-inch ACFoam-II, ACFoam-III, ENRGY 3 or Multi-Max FA3. Top surface shall be <i>mist-primed</i> with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                                                                                                                                                                        | DUOTACK                        | SBS-SA1                            | (Optional) SBS-CA3, SBS-CA4 or SBS-SA1         | SBS-CA3 or SBS-CA4         | -45.0*                    |
| SC-98.     | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 1.5-inch ACFoam-II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max                                                                                                      | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 2.0 ft <sup>2</sup>       | Min. 0.125-inch Pika Ply Recover Board primed with ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                                                                                                                                                                                                                                                  | DUOTACK                        | SBS-SA1                            | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF | -45.0*                    |
| SC-99.     | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 1.5-inch ACFoam-II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max                                                                                                      | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 2.0 ft <sup>2</sup>       | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                                                                                                   | DUOTACK                        | SBS-SA1                            | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF | -45.0*                    |
| SC-100.    | Min. 22 ga., Type B, Grade 33 steel                        | Min. 0.5-inch DEXcell FA Glass Mat Roof Board                                                                                                                                  | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup>       | Min. 1-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max; followed by Min. 0.125-inch Pika Ply Recover Board. Top surface shall be primed with ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                                                                                                                          | DUOTACK                        | SBS-SA1                            | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF | -45.0*                    |
| SC-101.    | Min. 22 ga., Type B, Grade 33 steel                        | Min. 0.5-inch DEXcell FA Glass Mat Roof Board                                                                                                                                  | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup>       | Min. 1-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max; followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | DUOTACK                        | SBS-SA1                            | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF | -45.0*                    |
| SC-102.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 2-inch ACFoam-II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max                                                                                                        | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup>       | Min. 0.125-inch Pika Ply Recover Board primed with ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                                                                                                                                                                                                                                                  | DUOTACK                        | SBS-SA1                            | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF | -45.0*                    |
| SC-103.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 2-inch ACFoam-II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max                                                                                                        | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup>       | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                                                                                                   | DUOTACK                        | SBS-SA1                            | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF | -45.0*                    |

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**TABLE 10B: 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 <a href="#">(4.1.2)</a>                               | BASE INSULATION LAYER                                                                                                |                                                                                                          |                                 | TOP INSULATION LAYER                                                                                                                                                                                                                              |                                       | ROOF COVER <a href="#">(3.1.4)</a> |                                                |                            | MDP <a href="#">(PSF)</a> |
|------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------|------------------------------------------------|----------------------------|---------------------------|
|            |                                                            | TYPE                                                                                                                 | FASTENER <a href="#">(4.2.2)</a>                                                                         | ATTACH <a href="#">(3.1.2e)</a> | TYPE                                                                                                                                                                                                                                              | ATTACH <a href="#">(3.1.3)</a>        | BASE                               | PLY                                            | CAP                        |                           |
| SC-104.    | Min. 22 ga. Type B, Grade 33 steel or structural concrete  | Min. 1.5-inch ACFoam-II, ACFoam-III, H-Shield or H-Shield CG                                                         | Dekfast DF-#15-PH3 or Trufast #15 EHD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 1.8 ft <sup>2</sup>       | Min. 0.125-inch Pika Ply Recover Board. Top surface shall be primed with ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                                                                                                                             | DUOTACK                               | SBS-SA1                            | (Optional) SBS-AA, SBS-TAF                     | SBS-AA or SBS-TAF          | -52.5                     |
| SC-105.    | Min. 22 ga. Type B, Grade 33 steel or structural concrete  | Min. 2-inch ACFoam-II or ENRGY 3                                                                                     | <a href="#">3.1.1</a>                                                                                    | 1 per 2.0 ft <sup>2</sup>       | Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                                                                                                                        | DUOTACK                               | SBS-SA1                            | (Optional) SBS-AA or SBS-TAF                   | SBS-AA or SBS-TAF          | -60.0                     |
| SC-106.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 2-inch ACFoam-II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max                                              | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 1.6 ft <sup>2</sup>       | Min. 0.25-inch Pika Ply Recover Board primed with ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                                                                                                                                                    | DUOTACK                               | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF          | SBS-AA or SBS-TAF          | -82.5                     |
| SC-107.    | Min. 22 ga., Type B, Grade 40 steel                        | Min. 0.5-inch DEXcell FA Glass Mat Roof Board, mechanically attached, and followed by SBS-TAF (sand-surfaced)        | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 2.0 ft <sup>2</sup>       | INSULATION: Min. 2-inch ACFoam-II, ACFoam-III, H-Shield or H-Shield CG, SOPRA-XPS or Insulfoam VIII followed by COVERBOARD: min. 0.125-inch Pika Ply Recover Board. Top surface shall be primed with ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | DUOTACK 365                           | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF          | SBS-AA or SBS-TAF          | -82.5                     |
| SC-108.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 2-inch ACFoam-II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max                                              | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 1.6 ft <sup>2</sup>       | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC    | DUOTACK                               | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF          | SBS-AA or SBS-TAF          | -82.5                     |
| SC-109.    | Min. 22 ga. Type B, Grade 33 steel or structural concrete  | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or Min 1.5-inch ACFoam-II, H-Shield CG or Ultra-Max | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 2.0 ft <sup>2</sup>       | Min. 0.5-inch ACFoam-II. Top surface shall be <i>mist-primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC</i>                                                                                                               | APOC Polyset Commercial Roof Adhesive | SBS-SA1                            | (Optional) SBS-CA3, SBS-CA4 or SBS-SA1         | SBS-CA3 or SBS-CA4         | -45.0*                    |
| SC-110.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 1.5-inch ACFoam-II, H-Shield CG or Ultra-Max                                                                     | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 2.0 ft <sup>2</sup>       | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                                     | APOC Polyset Commercial Roof Adhesive | SBS-SA1                            | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF | -45.0*                    |
| SC-111.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 2-inch ACFoam-II, H-Shield CG or Ultra-Max                                                                       | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 4.0 ft <sup>2</sup>       | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                                     | APOC Polyset Commercial Roof Adhesive | SBS-SA1                            | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF | -45.0*                    |

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**TABLE 10B: 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 <a href="#">(4.1.2)</a>                               | BASE INSULATION LAYER                          |                                                                                                                                              |                                 | TOP INSULATION LAYER                                                                                                                                                                                          |                                                | ROOF COVER <a href="#">(3.1.4)</a> |                                       |                   | MDP <a href="#">(PSF)</a> |
|------------|------------------------------------------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------|---------------------------------------|-------------------|---------------------------|
|            |                                                            | TYPE                                           | FASTENER <a href="#">(4.2.2)</a>                                                                                                             | ATTACH <a href="#">(3.1.2e)</a> | TYPE                                                                                                                                                                                                          | ATTACH <a href="#">(3.1.3)</a>                 | BASE                               | PLY                                   | CAP               |                           |
| SC-112.    | Min. 22 ga. Type B, Grade 33 steel or structural concrete  | Min. 2-inch ACFoam-II                          | <a href="#">3.1.1</a>                                                                                                                        | 1 per 2.0 ft <sup>2</sup>       | Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                                                                                    | APOC Polyset Commercial Roof Adhesive          | SBS-SA1                            | (Optional) SBS-AA or SBS-TAF          | SBS-AA or SBS-TAF | -60.0                     |
| SC-113.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 2-inch ACFoam-II, H-Shield CG or Ultra-Max | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate                                      | 1 per 1.6 ft <sup>2</sup>       | Min. 0.25-inch Pika Ply Recover Board. Top surface shall be primed with ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                                                                                          | APOC Polyset Commercial Roof Adhesive          | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-AA or SBS-TAF | -75.0                     |
| SC-114.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 2-inch ACFoam-II, H-Shield CG or Ultra-Max | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate                                      | 1 per 1.6 ft <sup>2</sup>       | Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                                                                | APOC Polyset Commercial Roof Adhesive          | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-AA or SBS-TAF | -75.0                     |
| SC-115.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 2-inch ACFoam-II, H-Shield CG or Ultra-Max | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate                                      | 1 per 1.6 ft <sup>2</sup>       | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | APOC Polyset Commercial Roof Adhesive          | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-AA or SBS-TAF | -82.5                     |
| SC-116.    | Min. 22 ga., Type B, Grade 40 steel or structural concrete | Min. 2-inch ACFoam-II                          | Dekfast DF-#14-PH3, Trufast #14 HD, Dekfast DF-#15-PHD or Trufast #15 EHD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 1.0 ft <sup>2</sup>       | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                                             | APOC Polyset Commercial Roof Adhesive          | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-AA or SBS-TAF | -105.0                    |
| SC-117.    | Min. 22 ga., Type B, Grade 40 steel or structural concrete | Min. 2-inch ACFoam-II                          | Dekfast DF-#14-PH3, Trufast #14 HD, Dekfast DF-#15-PHD or Trufast #15 EHD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 1.0 ft <sup>2</sup>       | Min. 0.25-inch Pika Ply Recover Board. Top surface shall be primed with ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                                                                                          | APOC Polyset Commercial Roof Adhesive, 6" o.c. | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-AA or SBS-TAF | -105.0                    |
| SC-118.    | Min. 22 ga., Type B, Grade 40 steel or structural concrete | Min. 2-inch ACFoam-II                          | Dekfast DF-#14-PH3, Trufast #14 HD, Dekfast DF-#15-PHD or Trufast #15 EHD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 1.0 ft <sup>2</sup>       | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                    | APOC Polyset Commercial Roof Adhesive, 6" o.c. | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-AA or SBS-TAF | -105.0                    |

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**TABLE 10B: 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 <a href="#">(4.1.2)</a>                               | BASE INSULATION LAYER                                                      |                                                                                                         |                                 | TOP INSULATION LAYER                                                                                                                                                                                                                                                                                                                               |                                | ROOF COVER <a href="#">(3.1.4)</a> |                                                |                            | MDP <a href="#">(PSF)</a> |
|------------|------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------|------------------------------------------------|----------------------------|---------------------------|
|            |                                                            | TYPE                                                                       | FASTENER <a href="#">(4.2.2)</a>                                                                        | ATTACH <a href="#">(3.1.2e)</a> | TYPE                                                                                                                                                                                                                                                                                                                                               | ATTACH <a href="#">(3.1.3)</a> | BASE                               | PLY                                            | CAP                        |                           |
| SC-119.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 1.5-inch AC Foam-II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 2.0 ft <sup>2</sup>       | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                                                                                                     | Trufast RA                     | SBS-SA1                            | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF | -45.0*                    |
| SC-120.    | Min. 22 ga., Type B, Grade 33 steel                        | Min. 0.5-inch DEXcell FA Glass Mat Roof Board                              | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup>       | Min. 1-inch AC Foam-II, AC Foam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max; followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | Trufast RA                     | SBS-SA1                            | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF | -45.0*                    |
| SC-121.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min 2-inch AC Foam-II, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max   | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup>       | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                                                                                                     | Trufast RA                     | SBS-SA1                            | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF | -45.0*                    |

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**TABLE 10c: 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 (4.1.2)                                               | BASE INSULATION LAYER(s) (3.1.2)                                   | TOP INSULATION LAYER                                                                                                                                                                |                                                                                                         |                 | ROOF COVER (3.1.4) |                    |                    | MDP (PSF) |
|------------------------|------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----------------|--------------------|--------------------|--------------------|-----------|
|                        |                                                            |                                                                    | TYPE                                                                                                                                                                                | FASTENER (4.2.2)                                                                                        | ATTACH (3.1.2E) | BASE               | PLY                | CAP                |           |
| COLD APPLIED BASE PLY: |                                                            |                                                                    |                                                                                                                                                                                     |                                                                                                         |                 |                    |                    |                    |           |
| SC-122.                | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination, loose laid                    | Min. 0.25-inch DensDeck Prime                                                                                                                                                       | 3.1.1                                                                                                   | 1 per 2.6 ft²   | SBS-CA4            | (Optional) SBS-CA4 | SBS-CA4            | -30.0*    |
| SC-123.                | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination, loose laid                    | Min. 0.25-inch DensDeck Prime                                                                                                                                                       | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 2.6 ft²   | SBS-CA3            | None               | SBS-CA3            | -30.0*    |
| SC-124.                | Min. 22 ga., Type B, Grade 33 steel or structural concrete | (Optional) One or more layers, any combination, loose laid         | Min. 1.5-inch ACFoam-II or H-Shield                                                                                                                                                 | 3.1.1                                                                                                   | 1 per 2.0 ft²   | SBS-CA4            | (Optional) SBS-CA4 | SBS-CA4            | -30.0*    |
| SC-125.                | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination, loose laid                    | Min. 0.25-inch DEXcell FA Glass Mat Roof Board                                                                                                                                      | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 4.0 ft²   | SBS-CA3            | (Optional) SBS-CA4 | SBS-CA3 or SBS-CA4 | -37.5*    |
| SC-126.                | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers min. 1.5-inch ACFoam-II or H-Shield, loose laid | Min. 0.125-inch Pika Ply Recover Board                                                                                                                                              | 3.1.1                                                                                                   | 1 per 4.0 ft²   | SBS-CA4            | (Optional) SBS-CA4 | SBS-CA4            | -45.0*    |
| SC-127.                | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination, min. 1-inch, loose laid       | Min. 0.25-in. DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board, optionally primed with ELASTOCOL 500 | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 4.0 ft²   | SBS-CA3, SBS-CA4   | (Optional) SBS-CA4 | SBS-CA3 or SBS-CA4 | -45.0*    |
| SC-128.                | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination, loose laid                    | Min. 0.25-inch Pika Ply Recover Board                                                                                                                                               | 3.1.1                                                                                                   | 1 per 3.2 ft²   | SBS-CA4            | (Optional) SBS-CA4 | SBS-CA4            | -45.0*    |
| SC-129.                | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination, loose laid                    | Min. 0.125-inch Pika Ply Recover Board                                                                                                                                              | 3.1.1                                                                                                   | 1 per 2.3 ft²   | SBS-CA4            | (Optional) SBS-CA4 | SBS-CA4            | -45.0*    |
| SC-130.                | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination, loose laid                    | Min. 0.25-inch DEXcell FA Glass Mat Roof Board                                                                                                                                      | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 1.8 ft²   | SBS-CA3, SBS-CA4   | (Optional) SBS-CA4 | SBS-CA3 or SBS-CA4 | -45.0     |

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SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

| SYSTEM No. | DECK <a href="#">(4.1.2)</a>                               | BASE INSULATION LAYER(S) <a href="#">(3.1.2)</a>               | TOP INSULATION LAYER                          |                                                                                                          |                                 | ROOF COVER <a href="#">(3.1.4)</a> |                             |                    | MDP <a href="#">(PSF)</a> |
|------------|------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------------|-----------------------------|--------------------|---------------------------|
|            |                                                            |                                                                | TYPE                                          | FASTENER <a href="#">(4.2.2)</a>                                                                         | ATTACH <a href="#">(3.1.2E)</a> | BASE                               | PLY                         | CAP                |                           |
| SC-131.    | Min. 22 ga., Type B, Grade 80 steel                        | One or more layers, any combination, loose laid                | Min. 0.5-inch DEXcell FA Glass Mat Roof Board | Dekfast DF-#15-PH3 or Trufast #15 EHD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 2.0 ft <sup>2</sup>       | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA4          | SBS-CA3 or SBS-CA4 | -45.0                     |
| SC-132.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, min. 1.5-inch, any combination, loose laid | Min. 0.25-inch DensDeck Prime                 | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 1.8 ft <sup>2</sup>       | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA4          | SBS-CA3 or SBS-CA4 | -52.5                     |
| SC-133.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination, loose laid                | Min. 0.25-inch Pika Ply Recover Board         | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 2.0 ft <sup>2</sup>       | SBS-CA3                            | (Optional) SBS-CA3, SBS-TAF | SBS-CA3 or SBS-TAF | -60.0                     |
| SC-134.    | Min. 22 ga., Type B, Grade 80 steel                        | One or more layers, any combination, loose laid                | Min. 0.5-inch DEXcell FA Glass Mat Roof Board | Dekfast DF-#15-PH3 or Trufast #15 EHD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 1.3 ft <sup>2</sup>       | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA4          | SBS-CA3 or SBS-CA4 | -60.0                     |
| SC-135.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, min. 1.5-inch, any combination, loose laid | Min. 0.5-inch DensDeck Prime                  | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 1.8 ft <sup>2</sup>       | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA4          | SBS-CA3 or SBS-CA4 | -67.5                     |
| SC-136.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, min. 1.5-inch, any combination, loose laid | Min. 0.5-inch DensDeck Prime                  | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 1.6 ft <sup>2</sup>       | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA4          | SBS-CA3 or SBS-CA4 | -75.0                     |
| SC-137.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, min. 1.5-inch, any combination, loose laid | Min. 0.25-inch Pika Ply Recover Board         | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 1.3 ft <sup>2</sup>       | SBS-CA3                            | (Optional) SBS-CA3, SBS-TAF | SBS-CA3 or SBS-TAF | -82.5                     |
| SC-138.    | Min. 22 ga., Type B, Grade 40 steel or structural concrete | One or more layers, min. 1.5-inch, any combination, loose laid | Min. 0.125-inch Pika Ply Recover Board        | Trufast #15 EHD Fastener with Trufast 3" Metal Insulation Plate                                          | 1 per 1.0 ft <sup>2</sup>       | SBS-CA4                            | (Optional) SBS-CA4          | SBS-CA4            | -82.5                     |
| SC-139.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, min. 1.5-inch, any combination, loose laid | Min. 0.5-inch DensDeck Prime                  | <a href="#">3.1.1</a>                                                                                    | 1 per 1.0 ft <sup>2</sup>       | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA4          | SBS-CA3 or SBS-CA4 | -82.5                     |

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SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

| SYSTEM No.                            | DECK <a href="#">(4.1.2)</a>                               | BASE INSULATION LAYER(S) <a href="#">(3.1.2)</a>               | TOP INSULATION LAYER                                             |                                                                                                         |                                 | ROOF COVER <a href="#">(3.1.4)</a> |                                                |                                     | MDP <a href="#">(PSF)</a> |
|---------------------------------------|------------------------------------------------------------|----------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------------|------------------------------------------------|-------------------------------------|---------------------------|
|                                       |                                                            |                                                                | TYPE                                                             | FASTENER <a href="#">(4.2.2)</a>                                                                        | ATTACH <a href="#">(3.1.2E)</a> | BASE                               | PLY                                            | CAP                                 |                           |
| SC-140.                               | Min. 22 ga., Type B, Grade 80 steel or structural concrete | One or more layers, min. 1.5-inch, any combination, loose laid | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 1.3 ft <sup>2</sup>       | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA4                             | SBS-CA3 or SBS-CA4                  | -90.0                     |
| SC-141.                               | Min. 22 ga., Type B, Grade 40 steel or structural concrete | One or more layers, min. 2-inch, any combination, loose laid   | Min. 0.25-inch Pika Ply Recover Board                            | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 1.0 ft <sup>2</sup>       | SBS-CA3                            | (Optional) SBS-CA3, SBS-TAF                    | SBS-CA3 or SBS-TAF                  | -120.0                    |
| SC-142.                               | Min. 22 ga., Type B, Grade 80 steel or structural concrete | One or more layers, min. 1.5-inch, any combination, loose laid | Min. 0.5-inch DensDeck Prime                                     | <a href="#">3.1.1</a>                                                                                   | 1 per 1.0 ft <sup>2</sup>       | SBS-CA3                            | None                                           | SBS-CA3                             | -127.5                    |
| <b>HOT OR TORCH APPLIED BASE PLY:</b> |                                                            |                                                                |                                                                  |                                                                                                         |                                 |                                    |                                                |                                     |                           |
| SC-143.                               | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination, loose laid                | Min. 0.25-inch DensDeck or DensDeck Prime                        | <a href="#">3.1.1</a>                                                                                   | 1 per 2.6 ft <sup>2</sup>       | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF                   | SBS-AA or SBS-TAF                   | -30.0*                    |
| SC-144.                               | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination, loose laid                | Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating   | <a href="#">3.1.1</a>                                                                                   | 1 per 2.0 ft <sup>2</sup>       | SBS-AA                             | (Optional) SBS-AA or SBS-TAF                   | SBS-AA or SBS-TAF                   | -30.0*                    |
| SC-145.                               | Min. 22 ga. Type B, Grade 33 steel or structural concrete  | One or more layers, any combination, loose laid                | Min. 0.125-inch Pika Ply Recover Board                           | <a href="#">3.1.1</a>                                                                                   | 1 per 2.3 ft <sup>2</sup>       | SBS-TAF                            | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF          | -37.5*                    |
| SC-146.                               | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination, loose laid                | Min. 0.25-inch DEXcell FA Glass Mat Roof Board                   | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup>       | SBS-AA, SBS-TAF                    | (Optional) SBS-AA, SBS-CA3, SBS-CA4 or SBS-TAF | SBS-AA, SBS-CA3, SBS-CA4 or SBS-TAF | -37.5*                    |
| SC-147.                               | Min. 22 ga., Type B, Grade 33 steel                        | One or more layers, min. 1.5-inch, any combination, loose laid | Min. 0.5-inch DensDeck Prime                                     | <a href="#">3.1.1</a>                                                                                   | 1 per 4.0 ft <sup>2</sup>       | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF                   | SBS-AA or SBS-TAF                   | -45.0*                    |
| SC-148.                               | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination, loose laid                | Min. 0.25-inch DensDeck Prime                                    | OMG HD with 3 in. Galvalume Steel Plate                                                                 | 1 per 4.0 ft <sup>2</sup>       | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF                   | SBS-AA or SBS-TAF                   | -45.0*                    |
| SC-149.                               | Min. 22 ga. Type B, Grade 33 steel or structural concrete  | One or more layers, any combination, loose laid                | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board                  | <a href="#">3.1.1</a>                                                                                   | 1 per 4.0 ft <sup>2</sup>       | SBS-AA or SBS-TAF                  | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF          | -45.0*                    |

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**TABLE 10c: 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="#">(4.1.2)</a>                               | BASE INSULATION LAYER(S) <a href="#">(3.1.2)</a> | TOP INSULATION LAYER                                                                                                             |                                                                                                          |                                 | ROOF COVER <a href="#">(3.1.4)</a> |                                                         |                                     | MDP <a href="#">(PSF)</a> |
|------------|------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------|
|            |                                                            |                                                  | TYPE                                                                                                                             | FASTENER <a href="#">(4.2.2)</a>                                                                         | ATTACH <a href="#">(3.1.2E)</a> | BASE                               | PLY                                                     | CAP                                 |                           |
| SC-150.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination, loose laid  | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board, optionally primed with ELASTOCOL 500 | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 4.0 ft <sup>2</sup>       | SBS-AA or SBS-TAF                  | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF          | SBS-AA, SBS-CA4 or SBS-TAF          | -45.0*                    |
| SC-151.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination, loose laid  | Min. 0.125-inch Pika Ply Recover Board                                                                                           | <a href="#">3.1.1</a>                                                                                    | 1 per 4.0 ft <sup>2</sup>       | SBS-AA, SBS-AA2 or SBS-TAF         | (Optional) SBS-AA, SBS-AA2 or SBS-TAF                   | SBS-AA, SBS-AA2 or SBS-TAF          | -45.0*                    |
| SC-152.    | Min. 22 ga. Type B, Grade 33 steel or structural concrete  | One or more layers, any combination, loose laid  | Min 0.375-inch SECUROCK Gypsum-Fiber Roof Board                                                                                  | <a href="#">3.1.1</a>                                                                                    | 1 per 2.7 ft <sup>2</sup>       | SBS-TAF                            | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF          | SBS-AA, SBS-CA4 or SBS-TAF          | -45.0*                    |
| SC-153.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination, loose laid  | Min. 0.25-inch DensDeck                                                                                                          | <a href="#">3.1.1</a>                                                                                    | 1 per 2.0 ft <sup>2</sup>       | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF                            | SBS-AA or SBS-TAF                   | -45.0*                    |
| SC-154.    | Min. 22 ga. Type B, Grade 33 steel or structural concrete  | One or more layers, any combination, loose laid  | Min. 0.25-inch DensDeck. Top surface shall be primed with ELASTOCOL Stick                                                        | <a href="#">3.1.1</a>                                                                                    | 1 per 2.0 ft <sup>2</sup>       | SBS-TAF                            | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF          | SBS-AA, SBS-CA4 or SBS-TAF          | -45.0*                    |
| SC-155.    | Min. 22 ga. Type B, Grade 33 steel or structural concrete  | One or more layers, any combination, loose laid  | Min. 0.125-inch Pika Ply Recover Board                                                                                           | <a href="#">3.1.1</a>                                                                                    | 1 per 2.0 ft <sup>2</sup>       | SBS-TAF                            | (Optional) SBS-AA, SBS-AA2, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-AA2, SBS-CA4 or SBS-TAF | -45.0*                    |
| SC-156.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination, loose laid  | Min. 0.25-inch DEXcell FA Glass Mat Roof Board                                                                                   | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 2.0 ft <sup>2</sup>       | SBS-AA or SBS-TAF                  | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF          | SBS-AA, SBS-CA4 or SBS-TAF          | -45.0*                    |
| SC-157.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination, loose laid  | Min. 0.25-inch DEXcell FA Glass Mat Roof Board                                                                                   | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 1.8 ft <sup>2</sup>       | SBS-AA or SBS-TAF                  | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF          | SBS-AA, SBS-CA4 or SBS-TAF          | -45.0                     |
| SC-158.    | Min. 22 ga., Type B, Grade 80 steel                        | One or more layers, any combination, loose laid  | Min. 0.5-inch DEXCell FA Glass Mat Roof Board                                                                                    | Dekfast DF-#15-PH3 or Trufast #15 EHD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 2.0 ft <sup>2</sup>       | SBS-AA or SBS-TAF                  | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF          | SBS-AA, SBS-CA4 or SBS-TAF          | -45.0                     |

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**TABLE 10c: 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="#">(4.1.2)</a>                               | BASE INSULATION LAYER(S) <a href="#">(3.1.2)</a>               | TOP INSULATION LAYER                                           |                                                                                                          |                                 | ROOF COVER <a href="#">(3.1.4)</a> |                                                |                            | MDP <a href="#">(PSF)</a> |
|------------|------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------------|------------------------------------------------|----------------------------|---------------------------|
|            |                                                            |                                                                | TYPE                                                           | FASTENER <a href="#">(4.2.2)</a>                                                                         | ATTACH <a href="#">(3.1.2E)</a> | BASE                               | PLY                                            | CAP                        |                           |
| SC-159.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination, loose laid                | Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating | <a href="#">3.1.1</a>                                                                                    | 1 per 1.3 ft <sup>2</sup>       | SBS-AA                             | (Optional) SBS-AA or SBS-TAF                   | SBS-AA or SBS-TAF          | -45.0*                    |
| SC-160.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, min. 1.5-inch, any combination, loose laid | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board                 | <a href="#">3.1.1</a>                                                                                    | 1 per 1.8 ft <sup>2</sup>       | SBS-TAF                            | (Optional) SBS-AA or SBS-TAF                   | SBS-AA or SBS-TAF          | -52.5                     |
| SC-161.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, min. 1.5-inch, any combination, loose laid | Min. 0.25-inch DensDeck Prime                                  | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 1.8 ft <sup>2</sup>       | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF                   | SBS-AA or SBS-TAF          | -52.5                     |
| SC-162.    | Min. 22 ga., Type B, Grade 80 steel or structural concrete | One or more layers, any combination, min. 1-inch, loose laid   | Min. 7/16-inch DEXcell Cement Roof Board                       | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 2.7 ft <sup>2</sup>       | SBS-AA                             | (Optional) SBS-AA                              | SBS-AA or SBS-AA2          | -52.5                     |
| SC-163.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination, loose laid                | Min. 0.125-inch Pika Ply Recover Board                         | <a href="#">3.1.1</a>                                                                                    | 1 per 2.0 ft <sup>2</sup>       | SBS-AA or SBS-TAF                  | (Optional) SBS-AA, SBS-TAF or SBS-SA1          | SBS-CA4, SBS-AA or SBS-TAF | -60.0                     |
| SC-164.    | Min. 22 ga., Type B, Grade 80 steel                        | One or more layers, any combination, loose laid                | Min. 0.5-inch DEXCell FA Glass Mat Roof Board                  | Dekfast DF-#15-PH3 or Trufast #15 EHD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 1.3 ft <sup>2</sup>       | SBS-AA or SBS-TAF                  | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF | -60.0                     |
| SC-165.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, min. 1.5-inch, any combination, loose laid | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board                 | <a href="#">3.1.1</a>                                                                                    | 1 per 1.8 ft <sup>2</sup>       | SBS-AA                             | (Optional) SBS-AA or SBS-TAF                   | SBS-AA or SBS-TAF          | -60.0                     |
| SC-166.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, min. 1.5-inch, any combination, loose laid | Min. 0.5-inch DensDeck Prime                                   | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 1.8 ft <sup>2</sup>       | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF                   | SBS-AA or SBS-TAF          | -67.5                     |
| SC-167.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination, loose laid                | Min. 0.125-inch Pika Ply Recover Board                         | <a href="#">3.1.1</a>                                                                                    | 1 per 2.0 ft <sup>2</sup>       | SBS-AA or SBS-TAF (D6164 only)     | (Optional) SBS-AA, SBS-TAF or SBS-SA1          | SBS-CA4, SBS-AA or SBS-TAF | -67.5                     |
| SC-168.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, min. 1.5-inch, any combination, loose laid | Min. 0.5-inch DensDeck Prime                                   | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 1.6 ft <sup>2</sup>       | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF                   | SBS-AA or SBS-TAF          | -75.0                     |

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**TABLE 10c: 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="#">(4.1.2)</a>                               | BASE INSULATION LAYER(S) <a href="#">(3.1.2)</a>               | TOP INSULATION LAYER                                             |                                                                                                          |                                 | ROOF COVER <a href="#">(3.1.4)</a> |                              |                            | MDP <a href="#">(PSF)</a> |
|------------|------------------------------------------------------------|----------------------------------------------------------------|------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------------|------------------------------|----------------------------|---------------------------|
|            |                                                            |                                                                | TYPE                                                             | FASTENER <a href="#">(4.2.2)</a>                                                                         | ATTACH <a href="#">(3.1.2E)</a> | BASE                               | PLY                          | CAP                        |                           |
| SC-169.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, min. 1.5-inch, any combination, loose laid | Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board                 | Dekfast DF-#15-PH3 or Trufast #15 EHD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 1.3 ft <sup>2</sup>       | SBS-TAF                            | (Optional) SBS-AA, SBS-TAF   | SBS-AA, SBS-CA4 or SBS-TAF | -75.0                     |
| SC-170.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | Min. 200 psi, Min. 2-inch cellular lightweight concrete        | Min. 0.125-inch Pika Ply Recover Board                           | Dekfast DF-#15-PH3 or Trufast #15 EHD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 1.3 ft <sup>2</sup>       | SBS-TAF                            | (Optional) SBS-TAF           | SBS-TAF                    | -82.5                     |
| SC-171.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, min. 1.5-inch, any combination, loose laid | Min. 0.5-inch DensDeck Prime                                     | <a href="#">3.1.1</a>                                                                                    | 1 per 1.0 ft <sup>2</sup>       | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF | SBS-AA or SBS-TAF          | -82.5                     |
| SC-172.    | Min. 22 ga., Type B, Grade 80 steel or structural concrete | One or more layers, min. 1.5-inch, any combination, loose laid | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 1.3 ft <sup>2</sup>       | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF | SBS-AA or SBS-TAF          | -90.0                     |
| SC-173.    | Min. 22 ga., Type B, Grade 80 steel or structural concrete | One or more layers, any combination, min. 1-inch, loose laid   | Min. 7/16-inch DEXcell Cement Roof Board                         | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 1.3 ft <sup>2</sup>       | SBS-AA                             | (Optional) SBS-AA            | SBS-AA or SBS-AA2          | -105.0                    |
| SC-174.    | Min. 22 ga., Type B, Grade 40 steel or structural concrete | One or more layers, min. 2-inch, any combination, loose laid   | Min. 0.25-inch Pika Ply Recover Board                            | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 1.0 ft <sup>2</sup>       | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF | SBS-AA or SBS-TAF          | -120.0                    |
| SC-175.    | Min. 22 ga., Type B, Grade 80 steel or structural concrete | One or more layers, min. 1.5-inch, any combination, loose laid | Min. 0.5-inch DensDeck Prime                                     | <a href="#">3.1.1</a>                                                                                    | 1 per 1.0 ft <sup>2</sup>       | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF | SBS-AA or SBS-TAF          | -127.5                    |
| SC-176.    | Min. 22 ga., Type B, Grade 80 steel or structural concrete | One or more layers, min. 2-inch, any combination, loose laid   | Min. 0.5-inch DEXcell FA Glass Mat Roof Board                    | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 1.0 ft <sup>2</sup>       | SBS-TAF                            | (Optional) SBS-TAF           | SBS-TAF                    | -142.5                    |
| SC-177.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, min. 1.5-inch, any combination, loose laid | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board                   | Trufast #14 HD or #15 EHD Fastener with Trufast 3" Metal Insulation Plate                                | 1 per 1.3 ft <sup>2</sup>       | SBS-AA or SBS-TAF                  | SBS-AA or SBS-TAF            | SBS-AA or SBS-TAF          | -157.5                    |

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SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

| SYSTEM No.                                                                  | DECK <a href="#">(4.1.2)</a>                               | BASE INSULATION LAYER(S) <a href="#">(3.1.2)</a>               | TOP INSULATION LAYER                                                                                                                                             |                                                                                                         |                                 | ROOF COVER <a href="#">(3.1.4)</a> |                                                |                                     | MDP <a href="#">(PSF)</a> |
|-----------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------------|------------------------------------------------|-------------------------------------|---------------------------|
|                                                                             |                                                            |                                                                | TYPE                                                                                                                                                             | FASTENER <a href="#">(4.2.2)</a>                                                                        | ATTACH <a href="#">(3.1.2E)</a> | BASE                               | PLY                                            | CAP                                 |                           |
| SC-178.                                                                     | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, min. 1.5-inch, any combination, loose laid | Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board                                                                                                                   | Trufast #14 HD or #15 EHD Fastener with Trufast 3" Metal Insulation Plate                               | 1 per 1.0 ft <sup>2</sup>       | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF                   | SBS-AA or SBS-TAF                   | -172.5                    |
| <b>ELASTOPHENE STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE PLY:</b> |                                                            |                                                                |                                                                                                                                                                  |                                                                                                         |                                 |                                    |                                                |                                     |                           |
| SC-179.                                                                     | Min. 22 ga. Type B, Grade 33 steel or structural concrete  | One or more layers, any combination, loose laid                | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board                                                                                                                  | <a href="#">3.1.1</a>                                                                                   | 1 per 3.2 ft <sup>2</sup>       | SBS-SA1                            | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF          | -30.0*                    |
| SC-180.                                                                     | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination, loose laid                | Min. 0.25-inch DensDeck primed with D41 primer, ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC or DensDeck Prime                                  | <a href="#">3.1.1</a>                                                                                   | 1 per 2.6 ft <sup>2</sup>       | SBS-SA1                            | (Optional) SBS-CA4, SBS-AA or SBS-TAF          | SBS-CA4, SBS-AA or SBS-TAF          | -30.0*                    |
| SC-181.                                                                     | Min. 22 ga. Type B, Grade 33 steel or structural concrete  | One or more layers, any combination, loose laid                | Min. 0.125-inch Pika Ply Recover Board. Top surface shall be primed with ELASTOCOL 500, ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC            | <a href="#">3.1.1</a>                                                                                   | 1 per 2.3 ft <sup>2</sup>       | SBS-SA1                            | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF          | -37.5*                    |
| SC-182.                                                                     | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination, loose laid                | Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                   | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup>       | SBS-SA1                            | (Optional) SBS-AA, SBS-CA4, SBS-SA1, SBS-TAF   | SBS-AA, SBS-CA3, SBS-CA4 or SBS-TAF | -37.5*                    |
| SC-183.                                                                     | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination, loose laid                | Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup>       | SBS-SA1                            | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF          | -45.0*                    |
| SC-184.                                                                     | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination, loose laid                | Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface primed with ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 4.0 ft <sup>2</sup>       | SBS-SA1                            | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF          | -45.0*                    |
| SC-185.                                                                     | Min. 22 ga. Type B, Grade 33 steel or structural concrete  | One or more layers, any combination, loose laid                | Min 0.375-inch SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with D41, ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC             | <a href="#">3.1.1</a>                                                                                   | 1 per 2.7 ft <sup>2</sup>       | SBS-SA1                            | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF          | -45.0*                    |
| SC-186.                                                                     | Min. 22 ga. Type B, Grade 33 steel or structural concrete  | (Optional) One or more layers, any combination, loose laid     | Min. 1.5-inch ACFoam-III, H-Shield CG or Ultra-Max                                                                                                               | <a href="#">3.1.1</a>                                                                                   | 1 per 2.0 ft <sup>2</sup>       | SBS-SA1                            | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF          | -45.0*                    |

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SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

| SYSTEM No. | DECK <a href="#">(4.1.2)</a>                               | BASE INSULATION LAYER(S) <a href="#">(3.1.2)</a>               | TOP INSULATION LAYER                                                                                                                                  |                                                                                                          |                                 | ROOF COVER <a href="#">(3.1.4)</a> |                                                |                                     | MDP <a href="#">(PSF)</a> |
|------------|------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------------|------------------------------------------------|-------------------------------------|---------------------------|
|            |                                                            |                                                                | TYPE                                                                                                                                                  | FASTENER <a href="#">(4.2.2)</a>                                                                         | ATTACH <a href="#">(3.1.2E)</a> | BASE                               | PLY                                            | CAP                                 |                           |
| SC-187.    | Min. 22 ga. Type B, Grade 33 steel or structural concrete  | (Optional) One or more layers, any combination, loose laid     | Min. 1.5-inch ACFoam-II or H-Shield <i>mist-primed with ELASTOCOL 500, ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC</i>              | <a href="#">3.1.1</a>                                                                                    | 1 per 2.0 ft <sup>2</sup>       | SBS-SA1                            | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF          | -45.0*                    |
| SC-188.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination, loose laid                | Min. 0.25-inch DensDeck primed with D41 primer, ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC or DensDeck Prime                       | <a href="#">3.1.1</a>                                                                                    | 1 per 2.0 ft <sup>2</sup>       | SBS-SA1                            | (Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-AA, SBS-CA4 or SBS-TAF          | -45.0*                    |
| SC-189.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination, loose laid                | Min. 0.125-inch Pika Ply Recover Board. Top surface shall be primed with ELASTOCOL 500, ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | <a href="#">3.1.1</a>                                                                                    | 1 per 2.0 ft <sup>2</sup>       | SBS-SA1                            | (Optional) SBS-CA4, SBS-AA or SBS-TAF          | SBS-CA4, SBS-AA or SBS-TAF          | -45.0*                    |
| SC-190.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, any combination, loose laid                | Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC        | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 1.8 ft <sup>2</sup>       | SBS-SA1                            | (Optional) SBS-AA, SBS-CA4, SBS-SA1, SBS-TAF   | SBS-AA, SBS-CA3, SBS-CA4 or SBS-TAF | -45.0                     |
| SC-191.    | Min. 22 ga., Type B, Grade 80 steel                        | One or more layers, any combination, loose laid                | Min. 0.5-inch DEXCell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC         | Dekfast DF-#15-PH3 or Trufast #15 EHD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 2.0 ft <sup>2</sup>       | SBS-SA1                            | (Optional) SBS-AA, SBS-CA4, SBS-SA1, SBS-TAF   | SBS-AA, SBS-CA3, SBS-CA4 or SBS-TAF | -45.0                     |
| SC-192.    | Min. 22 ga., Type B, Grade 33 steel or structural concrete | One or more layers, min. 1.5-inch, any combination, loose laid | Min. 0.25-inch DensDeck Prime                                                                                                                         | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate  | 1 per 1.8 ft <sup>2</sup>       | SBS-SA1                            | (Optional) SBS-CA4, SBS-AA or SBS-TAF          | SBS-CA4, SBS-AA or SBS-TAF          | -52.5                     |
| SC-193.    | Min. 22 ga., Type B, Grade 80 steel or structural concrete | One or more layers, min. 1.4-inch, any combination, loose laid | Min. 0.25-inch DensDeck primed with D41 primer, ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC or DensDeck Prime                       | OMG #14 Roofgrip with Flat Bottom Plate (Accutrac)                                                       | 1 per 1.8 ft <sup>2</sup>       | SBS-SA1                            | (Optional) SBS-CA4, SBS-AA or SBS-TAF          | SBS-CA4, SBS-AA or SBS-TAF          | -60.0                     |
| SC-194.    | Min. 22 ga., Type B, Grade 80 steel                        | One or more layers, any combination, loose laid                | Min. 0.5-inch DEXCell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC         | Dekfast DF-#15-PH3 or Trufast #15 EHD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 1.3 ft <sup>2</sup>       | SBS-SA1                            | (Optional) SBS-AA, SBS-CA4, SBS-SA1, SBS-TAF   | SBS-AA, SBS-CA3, SBS-CA4 or SBS-TAF | -60.0                     |

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**TABLE 10D: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE D-3: INSULATED, BONDED & MECHANICALLY ATTACHED BASE MEMBRANE, BONDED ROOF COVER**

| SYSTEM NO. | DECK <a href="#">(4.1.2)</a>        | BASE INSULATION LAYER(S) <a href="#">(3.1.2)</a>         | COVERBOARD                                                                                                                                                                            |                       |                           | BASE MEMBRANE                                                                                         |                                                                                                           |                                                                                           | ROOF COVER <a href="#">(3.1.4)</a> |                   | MDP <a href="#">(PSF)</a> |
|------------|-------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------|-------------------|---------------------------|
|            |                                     |                                                          | TYPE                                                                                                                                                                                  | FASTEN                | ATTACH                    | TYPE <a href="#">(3.1.4.B)</a>                                                                        | FASTENER <a href="#">(4.2.2)</a>                                                                          | SPACING                                                                                   | PLY                                | CAP               |                           |
| SC-195.    | Min. 22 ga., Type B, Grade 33 steel | Min. 1.5-inch ACFoam-II, ENRGY 3 or H-Shield, loose-laid | Min. 0.5-inch DensDeck, DensDeck Prime, DEXcell Glass Mat Roof Board, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board | <a href="#">3.1.1</a> | 1 per 4.0 ft <sup>2</sup> | Pika Ply SS-3P (TG) or Pika Ply 250 S (TG), torch applied with 3-inch laps then mechanically fastened | Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 Fastener with Dekfast PLT-R-2-4B or Dekfast PLT-R-2-3/8-6B Plate | 12-inch o.c. atop the laps and 12-inch o.c. in two, equally spaced, staggered center rows | SBS-TAF                            | SBS-AA or SBS-TAF | -165.0                    |
| SC-196.    | Min. 22 ga., Type B, Grade 33 steel | Min. 1.5-inch ACFoam-II, ENRGY 3 or H-Shield, loose-laid | Min. 0.5-inch DensDeck, DensDeck Prime, DEXcell Glass Mat Roof Board, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board | <a href="#">3.1.1</a> | 1 per 4.0 ft <sup>2</sup> | Pika Ply 180 (SF) 3.5 torch applied with 3-inch laps then mechanically fastened                       | Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 Fastener with Dekfast PLT-R-2-4B or Dekfast PLT-R-2-3/8-6B Plate | 12-inch o.c. atop the laps and 12-inch o.c. in two, equally spaced, staggered center rows | SBS-AA                             | SBS-AA or SBS-TAF | -165.0                    |

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

| SYSTEM<br>No.          | DECK<br>(4.1.2)     | PRIME | BASE INSULATION LAYER                                                                                                                       |                                          | TOP INSULATION LAYER                                                   |                      | ROOF COVER (3.1.4) |                             |                  | MDP<br>(PSF) |
|------------------------|---------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------------------------------------|----------------------|--------------------|-----------------------------|------------------|--------------|
|                        |                     |       | TYPE                                                                                                                                        | ATTACH<br>(3.1.3)                        | TYPE                                                                   | ATTACH<br>(3.1.3)    | BASE               | PLY                         | CAP              |              |
| COLD APPLIED BASE PLY: |                     |       |                                                                                                                                             |                                          |                                                                        |                      |                    |                             |                  |              |
| C-1.                   | Structural Concrete | D41   | Min. 1.5-inch ACFoam-II, ENRGY 3 or H-Shield                                                                                                | hot asphalt                              | Min. 0.125-inch Pika Ply Recover Board                                 | hot asphalt          | SBS-CA4            | (Optional) SBS-CA4          | SBS-CA4          | -105.0       |
| C-2.                   | Structural Concrete | D41   | Min. 1.5-inch ACFoam-II, ENRGY 3, H-Shield or Multi-Max FA3                                                                                 | hot asphalt                              | Min. 0.5-inch 0.5-in. Blue Ridge Structodek HD with Primed Red Coating | hot asphalt          | SBS-CA4            | (Optional) SBS-CA3, SBS-CA4 | SBS-CA3, SBS-CA4 | -150.0       |
| C-3.                   | Structural Concrete | D41   | Min. 1.5-inch ACFoam-II, ENRGY 3 or H-Shield                                                                                                | hot asphalt                              | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board                        | hot asphalt          | SBS-CA4            | (Optional) SBS-CA3, SBS-CA4 | SBS-CA3, SBS-CA4 | -227.5       |
| C-4.                   | Structural Concrete | D41   | Min. 1.5-inch ACFoam-II, ENRGY 3, H-Shield or Multi-Max FA3                                                                                 | hot asphalt                              | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board                        | hot asphalt          | SBS-CA3            | (Optional) SBS-CA3          | SBS-CA3          | -337.5       |
| C-5.                   | Structural Concrete | None  | Min. 0.25-inch Pika Ply Recover Board                                                                                                       | Multi-Ply Adhesive SF II HP, 6-inch o.c. | None                                                                   | N/A                  | SBS-CA3            | SBS-CA3, SBS-CA4            | SBS-CA3, SBS-CA4 | -337.5       |
| C-6.                   | Structural Concrete | None  | Min. 0.25-inch Pika Ply Recover Board                                                                                                       | Multi-Ply Adhesive SF II HP, 6-inch o.c. | None                                                                   | N/A                  | SBS-CA3            | None                        | SBS-CA3, SBS-CA4 | -382.5       |
| C-7.                   | Structural Concrete | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | DUOTACK                                  | Min. 0.125-inch Pika Ply Recover Board                                 | DUOTACK              | SBS-CA3, SBS-CA4   | SBS-CA3, SBS-CA4            | SBS-CA3, SBS-CA4 | -337.5       |
| C-8.                   | Structural Concrete | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | DUOTACK                                  | Min. 0.125-inch Pika Ply Recover Board                                 | DUOTACK              | SBS-CA3, SBS-CA4   | None                        | SBS-CA3, SBS-CA4 | -382.5       |
| C-9.                   | Structural Concrete | None  | (Optional) Min. 0.5-inch ACFoam-II, ACFoam-II, ACFoam-III, H-Shield, H-Shield CG                                                            | DUOTACK 365                              | Min. 0.125-inch Pika Ply Recover Board                                 | DUOTACK 365          | SBS-CA3, SBS-CA4   | (Optional) SBS-CA3          | SBS-CA3, SBS-CA4 | -455.0       |
| C-10.                  | Structural Concrete | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | DUOTACK                                  | Min. 7/16-inch DEXcell Cement Roof Board                               | DUOTACK              | SBS-CA3, SBS-CA4   | (Optional) SBS-CA3, SBS-CA4 | SBS-CA3, SBS-CA4 | -190.0       |
| C-11.                  | Structural Concrete | None  | (Optional) One or more layer(s), min. 1-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max                       | DUOTACK, 6-inch o.c.                     | Min. 7/16-inch DEXcell Cement Roof Board                               | DUOTACK, 6-inch o.c. | SBS-CA4            | (Optional) SBS-CA3, SBS-CA4 | SBS-CA3, SBS-CA4 | -227.5       |
| C-12.                  | Structural Concrete | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | DUOTACK, 6-inch o.c.                     | Min. 7/16-inch DEXcell Cement Roof Board                               | DUOTACK, 6-inch o.c. | SBS-CA3            | (Optional) SBS-CA3, SBS-CA4 | SBS-CA3, SBS-CA4 | -285.0       |
| C-13.                  | Structural Concrete | None  | (Optional) One or more layer(s), min. 1-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max                       | DUOTACK                                  | 0.5-in. Blue Ridge Structodek HD with Primed Red Coating               | DUOTACK              | SBS-CA4            | (Optional) SBS-CA3, SBS-CA4 | SBS-CA3, SBS-CA4 | -187.5       |

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

| SYSTEM NO. | DECK <a href="#">(4.1.2)</a> | PRIME | BASE INSULATION LAYER                                                                                                                         |                                       | TOP INSULATION LAYER                                                                                                                           |                                       | ROOF COVER <a href="#">(3.1.4)</a> |                             |                  | MDP <a href="#">(psf)</a> |
|------------|------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------|-----------------------------|------------------|---------------------------|
|            |                              |       | TYPE                                                                                                                                          | ATTACH <a href="#">(3.1.3)</a>        | TYPE                                                                                                                                           | ATTACH <a href="#">(3.1.3)</a>        | BASE                               | PLY                         | CAP              |                           |
| C-14.      | Structural Concrete          | None  | (Optional) One or more layer(s), min. 1-inch AC Foam-II, AC Foam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max                       | DUOTACK, 6-inch o.c.                  | 0.5-in. Blue Ridge Structodek HD with Primed Red Coating                                                                                       | DUOTACK, 6-inch o.c.                  | SBS-CA4                            | (Optional) SBS-CA3, SBS-CA4 | SBS-CA3, SBS-CA4 | -227.5                    |
| C-15.      | Structural Concrete          | None  | Min. 1.5-inch, min. 1.25 pcf Atlas ThermalStar Insulation Board                                                                               | DUOTACK                               | Min. 0.5-inch DensDeck Prime                                                                                                                   | DUOTACK                               | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA3, SBS-CA4 | SBS-CA3, SBS-CA4 | -150.0                    |
| C-16.      | Structural Concrete          | None  | (Optional) Min. 1.5-inch AC Foam-II, AC Foam-III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | DUOTACK                               | Min. 0.25-inch DensDeck Prime                                                                                                                  | DUOTACK                               | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA3, SBS-CA4 | SBS-CA3, SBS-CA4 | -315.0                    |
| C-17.      | Structural Concrete          | None  | (Optional) Min. 1.5-inch AC Foam-II, AC Foam-III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | DUOTACK                               | Min. 0.25-inch DEXcell FA Glass Mat Roof Board                                                                                                 | DUOTACK                               | SBS-CA3                            | (Optional) SBS-CA3, SBS-CA4 | SBS-CA3, SBS-CA4 | -120.0                    |
| C-18.      | Structural Concrete          | None  | (Optional) One or more layer(s), min. 1-inch AC Foam-II, AC Foam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max                       | DUOTACK                               | Min. 0.25-inch DEXcell FA Glass Mat Roof Board                                                                                                 | DUOTACK                               | SBS-CA4                            | (Optional) SBS-CA3, SBS-CA4 | SBS-CA3, SBS-CA4 | -187.5                    |
| C-19.      | Structural Concrete          | None  | (Optional) One or more layer(s), min. 1-inch AC Foam-II, AC Foam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max                       | DUOTACK, 6-inch o.c.                  | Min. 0.25-inch DEXcell FA Glass Mat Roof Board                                                                                                 | DUOTACK, 6-inch o.c.                  | SBS-CA4                            | (Optional) SBS-CA3, SBS-CA4 | SBS-CA3, SBS-CA4 | -227.5                    |
| C-20.      | Structural Concrete          | None  | Min. 1.5-inch, min. 1.25 pcf, Insulfoam VIII Roofing EPS                                                                                      | DUOTACK                               | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board                                                                                                | DUOTACK                               | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA3, SBS-CA4 | SBS-CA3, SBS-CA4 | -152.5                    |
| C-21.      | Structural Concrete          | None  | (Optional) Min. 1.5-inch AC Foam-II, AC Foam-III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | DUOTACK                               | Min. 0.25-inch SECUROCK Gypsum Fiber Roof Board                                                                                                | DUOTACK                               | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA3, SBS-CA4 | SBS-CA3, SBS-CA4 | -315.0                    |
| C-22.      | Structural Concrete          | None  | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board                                                                                               | DUOTACK                               | None                                                                                                                                           | N/A                                   | SBS-CA3                            | (Optional) SBS-CA3          | SBS-CA3          | -337.5                    |
| C-23.      | Structural Concrete          | None  | Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS                                                                                          | APOC Polyset Commercial Roof Adhesive | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board | APOC Polyset Commercial Roof Adhesive | SBS-CA3                            | (Optional) SBS-CA3          | SBS-CA3          | -180.0                    |
| C-24.      | Structural Concrete          | None  | (Optional) Min. 0.5-inch AC Foam-II, AC Foam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max                                           | APOC Polyset Commercial Roof Adhesive | Min. 7/16-inch DEXcell Cement Roof Board                                                                                                       | APOC Polyset Commercial Roof Adhesive | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA3, SBS-CA4 | SBS-CA3, SBS-CA4 | -190.0                    |

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

| SYSTEM No. | DECK <a href="#">(4.1.2)</a> | PRIME | BASE INSULATION LAYER                                                                             |                                       | TOP INSULATION LAYER                                                                               |                                       | ROOF COVER <a href="#">(3.1.4)</a> |                             |                  | MDP <a href="#">(psf)</a> |
|------------|------------------------------|-------|---------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------|-----------------------------|------------------|---------------------------|
|            |                              |       | TYPE                                                                                              | ATTACH <a href="#">(3.1.3)</a>        | TYPE                                                                                               | ATTACH <a href="#">(3.1.3)</a>        | BASE                               | PLY                         | CAP              |                           |
| C-25.      | Structural Concrete          | None  | Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS                                              | APOC Polyset Commercial Roof Adhesive | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | APOC Polyset Commercial Roof Adhesive | SBS-CA3                            | (Optional) SBS-CA3          | SBS-CA3          | -240.0                    |
| C-26.      | Structural Concrete          | None  | Min. 0.5-inch ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max                       | APOC Polyset Commercial Roof Adhesive | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | APOC Polyset Commercial Roof Adhesive | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA3, SBS-CA4 | SBS-CA3, SBS-CA4 | -270.0                    |
| C-27.      | Structural Concrete          | None  | (Optional) Min. 0.5-inch ACFoam-II                                                                | APOC Polyset Commercial Roof Adhesive | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board | APOC Polyset Commercial Roof Adhesive | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA3, SBS-CA4 | SBS-CA3, SBS-CA4 | -315.0                    |
| C-28.      | Structural Concrete          | None  | (Optional) Min. 0.5-inch ACFoam-II, ACFoam-II, ACFoam-III, H-Shield or H-Shield CG                | APOC Polyset Commercial Roof Adhesive | Min. 0.125-inch Pika Ply Recover Board                                                             | APOC Polyset Commercial Roof Adhesive | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA3          | SBS-CA3, SBS-CA4 | -455.0                    |
| C-29.      | Structural Concrete          | None  | Min. 0.25-inch DEXcell FA Glass Mat Roof Board                                                    | APOC Polyset Commercial Roof Adhesive | None                                                                                               | N/A                                   | SBS-CA3, SBS-CA4                   | SBS-CA3, SBS-CA4            | SBS-CA3, SBS-CA4 | -337.5                    |
| C-30.      | Structural Concrete          | None  | Min. 0.25-inch DEXcell FA Glass Mat Roof Board                                                    | APOC Polyset Commercial Roof Adhesive | None                                                                                               | N/A                                   | SBS-CA3, SBS-CA4                   | None                        | SBS-CA3, SBS-CA4 | -382.5                    |
| C-31.      | Structural Concrete          | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | Trufast RA                            | Min. 7/16-inch DEXcell Cement Roof Board                                                           | Trufast RA                            | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA3, SBS-CA4 | SBS-CA3, SBS-CA4 | -190.0                    |
| C-32.      | Structural Concrete          | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | Trufast RA, 4-inch o.c.               | Min. 7/16-inch DEXcell Cement Roof Board                                                           | Trufast RA, 4-inch o.c.               | SBS-CA3                            | (Optional) SBS-CA3, SBS-CA4 | SBS-CA3, SBS-CA4 | -285.0                    |
| C-33.      | Structural Concrete          | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | Trufast RA                            | Min. 0.25-inch DensDeck Prime                                                                      | Trufast RA                            | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA3, SBS-CA4 | SBS-CA3, SBS-CA4 | -195.0                    |

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

| SYSTEM NO.                            | DECK <a href="#">(4.1.2)</a> | PRIME | BASE INSULATION LAYER                                                                             |                                | TOP INSULATION LAYER                                           |                                | ROOF COVER <a href="#">(3.1.4)</a> |                                       |                            | MDP <a href="#">(psf)</a> |
|---------------------------------------|------------------------------|-------|---------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------------------|--------------------------------|------------------------------------|---------------------------------------|----------------------------|---------------------------|
|                                       |                              |       | TYPE                                                                                              | ATTACH <a href="#">(3.1.3)</a> | TYPE                                                           | ATTACH <a href="#">(3.1.3)</a> | BASE                               | PLY                                   | CAP                        |                           |
| C-34.                                 | Structural Concrete          | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | Trufast RA                     | Min. 0.25-inch DEXcell FA Glass Mat Roof Board                 | Trufast RA                     | SBS-CA3                            | (Optional) SBS-CA3, SBS-CA4           | SBS-CA3, SBS-CA4           | -120.0                    |
| C-35.                                 | Structural Concrete          | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | Trufast RA                     | Min. 0.25-inch DEXcell FA Glass Mat Roof Board                 | Trufast RA                     | SBS-CA4                            | (Optional) SBS-CA3, SBS-CA4           | SBS-CA3, SBS-CA4           | -187.5                    |
| C-36.                                 | Structural Concrete          | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | Trufast RA, 4-inch o.c.        | Min. 0.25-inch DEXcell FA Glass Mat Roof Board                 | Trufast RA, 4-inch o.c.        | SBS-CA4                            | (Optional) SBS-CA3, SBS-CA4           | SBS-CA3, SBS-CA4           | -227.5                    |
| C-37.                                 | Structural Concrete          | None  | Min. 1.5-inch, min. 1.25 pcf, Insulfoam VIII Roofing EPS                                          | Trufast RA                     | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board                | Trufast RA                     | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA3, SBS-CA4           | SBS-CA3, SBS-CA4           | -152.5                    |
| C-38.                                 | Structural Concrete          | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | Trufast RA                     | Min. 0.25-inch SECUROCK Gypsum Fiber Roof Board                | Trufast RA                     | SBS-CA3, SBS-CA4                   | (Optional) SBS-CA3, SBS-CA4           | SBS-CA3, SBS-CA4           | -195.0                    |
| <b>HOT OR TORCH APPLIED BASE PLY:</b> |                              |       |                                                                                                   |                                |                                                                |                                |                                    |                                       |                            |                           |
| C-39.                                 | Structural Concrete          | D41   | Min. 1.5-inch ACFoam-II, ENRGY 3, H-Shield or Multi-Max FA3                                       | hot asphalt                    | Min. 0.125-inch Pika Ply Recover Board                         | hot asphalt                    | SBS-TAF                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-AA or SBS-TAF          | -155.0                    |
| C-40.                                 | Structural Concrete          | D41   | Min. 1.5-inch ACFoam-II, ENRGY 3, H-Shield or Multi-Max FA3                                       | hot asphalt                    | Min. 0.125-inch Pika Ply Recover Board                         | hot asphalt                    | SBS-TAF                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-AA or SBS-TAF          | -155.0                    |
| C-41.                                 | Structural Concrete          | D41   | Min. 1.5-inch ACFoam-II, ENRGY 3, H-Shield or Multi-Max FA3                                       | hot asphalt                    | Min. 0.125-inch Pika Ply Recover Board                         | hot asphalt                    | SBS-TAF                            | (Optional) SBS-AA or SBS-TAF          | SBS-AA or SBS-TAF          | -277.5                    |
| C-42.                                 | Structural Concrete          | D41   | Min. 1.5-inch ACFoam-II, ENRGY 3, H-Shield or Multi-Max FA3                                       | hot asphalt                    | Min. 0.125-inch Pika Ply Recover Board                         | hot asphalt                    | SBS-AA                             | (Optional) SBS-AA or SBS-TAF          | SBS-CA4, SBS-AA or SBS-TAF | -365.0                    |
| C-43.                                 | Structural Concrete          | D41   | Min. 1.5-inch ACFoam-II, ENRGY 3, H-Shield or Multi-Max FA3                                       | hot asphalt                    | Min. 0.125-inch Pika Ply Recover Board                         | hot asphalt                    | SBS-AA                             | (Optional) SBS-AA or SBS-TAF          | SBS-CA3                    | -365.0                    |
| C-44.                                 | Structural Concrete          | D41   | (Optional) Min. 1.5-inch ACFoam-II, ENRGY 3, H-Shield or Multi-Max FA3                            | hot asphalt                    | Min. 0.5-inch Blue Ridge Structodek HD with Primed Red Coating | hot asphalt                    | SBS-AA                             | (Optional) SBS-AA, SBS-TAF            | SBS-AA, SBS-TAF            | -150.0                    |
| C-45.                                 | Structural Concrete          | D41   | (Optional) Min. 1.5-inch ACFoam-II, ENRGY 3, H-Shield or Multi-Max FA3                            | hot asphalt                    | Min. 0.25-inch DensDeck                                        | hot asphalt                    | SBS-TAF                            | (Optional) SBS-AA or SBS-TAF          | SBS-AA or SBS-TAF          | -187.5                    |

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

| SYSTEM NO. | DECK <a href="#">(4.1.2)</a> | PRIME | BASE INSULATION LAYER                                                                                                                         |                                | TOP INSULATION LAYER                                     |                                | ROOF COVER <a href="#">(3.1.4)</a> |                                       |                    | MDP <a href="#">(psf)</a> |
|------------|------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------------|--------------------------------|------------------------------------|---------------------------------------|--------------------|---------------------------|
|            |                              |       | TYPE                                                                                                                                          | ATTACH <a href="#">(3.1.3)</a> | TYPE                                                     | ATTACH <a href="#">(3.1.3)</a> | BASE                               | PLY                                   | CAP                |                           |
| C-46.      | Structural Concrete          | D41   | (Optional) Min. 1.5-inch AC Foam-II, ENRGY 3, H-Shield or Multi-Max FA3                                                                       | hot asphalt                    | Min. 0.25-inch DensDeck                                  | hot asphalt                    | SBS-AA                             | (Optional) SBS-AA or SBS-TAF          | SBS-AA or SBS-TAF  | -452.5                    |
| C-47.      | Structural Concrete          | D41   | (Optional) Min. 1.5-inch AC Foam-II, ENRGY 3, H-Shield or Multi-Max FA3                                                                       | hot asphalt                    | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board          | hot asphalt                    | SBS-TAF                            | (Optional) SBS-AA or SBS-TAF          | SBS-AA or SBS-TAF  | -375.0                    |
| C-48.      | Structural Concrete          | D41   | (Optional) Min. 1.5-inch AC Foam-II, ENRGY 3, H-Shield or Multi-Max FA3                                                                       | hot asphalt                    | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board          | hot asphalt                    | SBS-AA                             | (Optional) SBS-AA or SBS-TAF          | SBS-CA3, SBS-CA4   | -382.5                    |
| C-49.      | Structural Concrete          | D41   | (Optional) Min. 1.5-inch AC Foam-II, ENRGY 3, H-Shield or Multi-Max FA3                                                                       | hot asphalt                    | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board          | hot asphalt                    | SBS-AA                             | (Optional) SBS-AA or SBS-TAF          | SBS-AA or SBS-TAF  | -397.5                    |
| C-50.      | Structural Concrete          | D41   | (Optional) Min. 1.4-inch AC Foam-II, ENRGY 3 or H-Shield                                                                                      | hot asphalt                    | Min. 0.75-inch Fesco Board (homogeneous)                 | hot asphalt                    | SBS-AA                             | (Optional) SBS-AA or SBS-TAF          | SBS-AA or SBS-TAF  | -420.0                    |
| C-51.      | Structural Concrete          | None  | Min. 1.5-inch, min. 1.25 pcf, Insulfoam VIII Roofing EPS                                                                                      | DUOTACK                        | Min. 0.125-inch Pika Ply Recover Board                   | DUOTACK                        | SBS-TAF                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-AA or SBS-TAF  | -152.5                    |
| C-52.      | Structural Concrete          | None  | (Optional) Min. 1.5-inch AC Foam-II, AC Foam-III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | DUOTACK                        | Min. 0.125-inch Pika Ply Recover Board                   | DUOTACK                        | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF          | SBS-AA or SBS-TAF  | -382.5                    |
| C-53.      | Structural Concrete          | None  | (Optional) Min. 0.5-inch AC Foam-II, AC Foam-II, AC Foam-III, H-Shield or H-Shield CG                                                         | DUOTACK 365                    | Min. 0.125-inch Pika Ply Recover Board                   | DUOTACK 365                    | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF          | SBS-AA or SBS-TAF  | -455.0                    |
| C-54.      | Structural Concrete          | None  | (Optional) Min. 1.5-inch AC Foam-II, AC Foam-III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | DUOTACK                        | Min. 7/16-inch DEXcell Cement Roof Board                 | DUOTACK                        | SBS-AA, SBS-TAF                    | (Optional) SBS-CA3, SBS-CA4, SBS-SA1  | SBS-CA3 or SBS-CA4 | -285.0                    |
| C-55.      | Structural Concrete          | None  | (Optional) Min. 1.5-inch AC Foam-II, AC Foam-III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | DUOTACK                        | Min. 7/16-inch DEXcell Cement Roof Board                 | DUOTACK                        | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF          | SBS-AA or SBS-TAF  | -367.5                    |
| C-56.      | Structural Concrete          | None  | (Optional) One or more layer(s), min. 1-inch AC Foam-II, AC Foam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max                       | DUOTACK                        | 0.5-in. Blue Ridge Structodek HD with Primed Red Coating | DUOTACK                        | SBS-AA                             | (Optional) SBS-AA, SBS-TAF            | SBS-AA, SBS-TAF    | -187.5                    |
| C-57.      | Structural Concrete          | None  | (Optional) One or more layer(s), min. 1-inch AC Foam-II, AC Foam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max                       | DUOTACK, 6-inch o.c.           | 0.5-in. Blue Ridge Structodek HD with Primed Red Coating | DUOTACK, 6-inch o.c.           | SBS-AA                             | (Optional) SBS-AA, SBS-TAF            | SBS-AA, SBS-TAF    | -227.5                    |

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

| SYSTEM NO. | DECK <a href="#">(4.1.2)</a> | PRIME | BASE INSULATION LAYER                                                                                                                        |                                       | TOP INSULATION LAYER                                                                                                                           |                                       | ROOF COVER <a href="#">(3.1.4)</a> |                                       |                   | MDP <a href="#">(psf)</a> |
|------------|------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------|---------------------------------------|-------------------|---------------------------|
|            |                              |       | TYPE                                                                                                                                         | ATTACH <a href="#">(3.1.3)</a>        | TYPE                                                                                                                                           | ATTACH <a href="#">(3.1.3)</a>        | BASE                               | PLY                                   | CAP               |                           |
| C-58.      | Structural Concrete          | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3 | DUOTACK                               | Min. 0.25-inch DensDeck                                                                                                                        | DUOTACK                               | SBS-TAF                            | (Optional) SBS-AA or SBS-TAF          | SBS-AA or SBS-TAF | -187.5                    |
| C-59.      | Structural Concrete          | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3 | DUOTACK                               | Min. 0.25-inch DensDeck                                                                                                                        | DUOTACK                               | SBS-AA                             | (Optional) SBS-AA or SBS-TAF          | SBS-AA or SBS-TAF | -232.5                    |
| C-60.      | Structural Concrete          | None  | Min. 1.5-inch, min. 1.25 pcf Atlas ThermalStar Insulation Board                                                                              | DUOTACK                               | Min. 0.5-inch DensDeck Prime                                                                                                                   | DUOTACK                               | SBS-TAF                            | SBS-TAF                               | SBS-TAF           | -257.5                    |
| C-61.      | Structural Concrete          | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max  | DUOTACK                               | Min. 0.25-inch DensDeck Prime                                                                                                                  | DUOTACK                               | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF          | SBS-AA or SBS-TAF | -315.0                    |
| C-62.      | Structural Concrete          | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max  | DUOTACK                               | Min. 0.25-inch DensDeck Prime primed with DETEC "TruGround Conductive Primer"                                                                  | DUOTACK                               | SBS-TAF                            | (Optional) SBS-AA or SBS-TAF          | SBS-AA or SBS-TAF | -315.0                    |
| C-63.      | Structural Concrete          | None  | (Optional) One or more layer(s), min. 1-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max                        | DUOTACK                               | Min. 0.25-inch DEXcell FA Glass Mat Roof Board                                                                                                 | DUOTACK                               | SBS-AA, SBS-TAF                    | (Optional) SBS-AA, SBS-TAF            | SBS-AA, SBS-TAF   | -187.5                    |
| C-64.      | Structural Concrete          | None  | (Optional) One or more layer(s), min. 1-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max                        | DUOTACK, 6-inch o.c.                  | Min. 0.25-inch DEXcell FA Glass Mat Roof Board                                                                                                 | DUOTACK, 6-inch o.c.                  | SBS-AA, SBS-TAF                    | (Optional) SBS-AA, SBS-TAF            | SBS-AA, SBS-TAF   | -227.5                    |
| C-65.      | Structural Concrete          | None  | Min. 1.5-inch, min. 1.25 pcf, Insulfoam VIII Roofing EPS                                                                                     | DUOTACK                               | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board                                                                                                | DUOTACK                               | SBS-TAF                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-AA or SBS-TAF | -152.5                    |
| C-66.      | Structural Concrete          | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max  | DUOTACK                               | Min. 0.25-inch SECUROCK Gypsum Fiber Roof Board                                                                                                | DUOTACK                               | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF          | SBS-AA or SBS-TAF | -315.0                    |
| C-67.      | Structural Concrete          | None  | Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS                                                                                         | APOC Polyset Commercial Roof Adhesive | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board | APOC Polyset Commercial Roof Adhesive | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF          | SBS-AA or SBS-TAF | -180.0                    |
| C-68.      | Structural Concrete          | None  | Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS                                                                                         | APOC Polyset Commercial Roof Adhesive | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board | APOC Polyset Commercial Roof Adhesive | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF          | SBS-AA or SBS-TAF | -240.0                    |

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

| SYSTEM No. | DECK <a href="#">(4.1.2)</a> | PRIME | BASE INSULATION LAYER                                                                             |                                       | TOP INSULATION LAYER                                                                                                                           |                                       | ROOF COVER <a href="#">(3.1.4)</a> |                                       |                   | MDP <a href="#">(psf)</a> |
|------------|------------------------------|-------|---------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------|---------------------------------------|-------------------|---------------------------|
|            |                              |       | TYPE                                                                                              | ATTACH <a href="#">(3.1.3)</a>        | TYPE                                                                                                                                           | ATTACH <a href="#">(3.1.3)</a>        | BASE                               | PLY                                   | CAP               |                           |
| C-69.      | Structural Concrete          | None  | Min. 0.5-inch ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max                       | APOC Polyset Commercial Roof Adhesive | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board | APOC Polyset Commercial Roof Adhesive | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF          | SBS-AA or SBS-TAF | -270.0                    |
| C-70.      | Structural Concrete          | None  | (Optional) Min. 0.5-inch ACFoam-II                                                                | APOC Polyset Commercial Roof Adhesive | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board | APOC Polyset Commercial Roof Adhesive | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF          | SBS-AA or SBS-TAF | -315.0                    |
| C-71.      | Structural Concrete          | None  | Min. 0.5-inch ACFoam-II, ACFoam-III, H-Shield or H-Shield CG                                      | APOC Polyset Commercial Roof Adhesive | Min. 0.125-inch Pika Ply Recover Board                                                                                                         | APOC Polyset Commercial Roof Adhesive | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF          | SBS-AA or SBS-TAF | -455.0                    |
| C-72.      | Structural Concrete          | None  | Min. 0.25-inch DEXcell FA Glass Mat Roof Board                                                    | APOC Polyset Commercial Roof Adhesive | None                                                                                                                                           | N/A                                   | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF          | SBS-AA or SBS-TAF | -592.5                    |
| C-73.      | Structural Concrete          | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | Trufast RA                            | Min. 7/16-inch DEXcell Cement Roof Board                                                                                                       | Trufast RA                            | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF          | SBS-AA or SBS-TAF | -195.0                    |
| C-74.      | Structural Concrete          | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | Trufast RA                            | Min. 0.25-inch DensDeck Prime                                                                                                                  | Trufast RA                            | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF          | SBS-AA or SBS-TAF | -195.0                    |
| C-75.      | Structural Concrete          | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | Trufast RA                            | Min. 0.25-inch DEXcell FA Glass Mat Roof Board                                                                                                 | Trufast RA                            | SBS-AA, SBS-TAF                    | (Optional) SBS-AA, SBS-TAF            | SBS-AA, SBS-TAF   | -187.5                    |
| C-76.      | Structural Concrete          | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | Trufast RA, 4-inch o.c.               | Min. 0.25-inch DEXcell FA Glass Mat Roof Board                                                                                                 | Trufast RA, 4-inch o.c.               | SBS-AA, SBS-TAF                    | (Optional) SBS-AA, SBS-TAF            | SBS-AA, SBS-TAF   | -227.5                    |
| C-77.      | Structural Concrete          | None  | Min. 1.5-inch, min. 1.25 pcf, Insulfoam VIII Roofing EPS                                          | Trufast RA                            | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board                                                                                                | Trufast RA                            | SBS-TAF                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-AA or SBS-TAF | -152.5                    |
| C-78.      | Structural Concrete          | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | Trufast RA                            | Min. 0.25-inch SECUROCK Gypsum Fiber Roof Board                                                                                                | Trufast RA                            | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF          | SBS-AA or SBS-TAF | -195.0                    |

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

| SYSTEM No.                                                           | DECK<br>(4.1.2)     | PRIME | BASE INSULATION LAYER                                                                                                                       |                      | TOP INSULATION LAYER                                                                                                  |                      | ROOF COVER (3.1.4) |                                       |                                     | MDP<br>(PSF) |
|----------------------------------------------------------------------|---------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------|--------------------|---------------------------------------|-------------------------------------|--------------|
|                                                                      |                     |       | TYPE                                                                                                                                        | ATTACH<br>(3.1.3)    | TYPE                                                                                                                  | ATTACH<br>(3.1.3)    | BASE               | PLY                                   | CAP                                 |              |
| ELASTOPHENE STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE PLY: |                     |       |                                                                                                                                             |                      |                                                                                                                       |                      |                    |                                       |                                     |              |
| C-79.                                                                | Structural Concrete | D41   | Min. 1.5-inch ACFoam-II, ENRGY 3, H-Shield or Multi-Max FA3                                                                                 | hot asphalt          | (Optional) Additional layers of base insulation                                                                       | hot asphalt          | SBS-SA1            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -155.0       |
| C-80.                                                                | Structural Concrete | D41   | (Optional) One or more layers min. 1.5-inch ACFoam-II, ENRGY 3, H-Shield or Multi-Max FA3                                                   | hot asphalt          | Min. 0.125-inch Pika Ply Recover Board                                                                                | hot asphalt          | SBS-SA1            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -155.0       |
| C-81.                                                                | Structural Concrete | D41   | (Optional) Min. 2-inch ACFoam-II, ENRGY 3, H-Shield or Multi-Max FA3                                                                        | hot asphalt          | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board                                                                       | hot asphalt          | SBS-SA1            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -172.5       |
| C-82.                                                                | Structural Concrete | None  | Min. 1.5-inch ACFoam-II, ENRGY 3, H-Shield or Multi-Max FA3                                                                                 | DUOTACK              | (Optional) Additional layers of base insulation                                                                       | DUOTACK              | SBS-SA1            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -150.0       |
| C-83.                                                                | Structural Concrete | None  | Min. 1.4-inch ACFoam-II or H-Shield                                                                                                         | DUOTACK              | (Optional) Additional layers of base insulation                                                                       | DUOTACK              | SBS-SA1            | (Optional) SBS-TAF                    | SBS-TAF                             | -225.0       |
| C-84.                                                                | Structural Concrete | None  | One or more layers min. 1.5-inch, min. 1.25 pcf, Insulfoam VIII Roofing EPS                                                                 | DUOTACK              | Min. 0.125-inch Pika Ply Recover Board                                                                                | DUOTACK              | SBS-SA1            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -152.5       |
| C-85.                                                                | Structural Concrete | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | DUOTACK              | Min. 0.125-inch Pika Ply Recover Board                                                                                | DUOTACK              | SBS-SA1            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -150.0       |
| C-86.                                                                | Structural Concrete | None  | Min. 1.5-inch, min. 1.25 pcf, Insulfoam VIII Roofing EPS                                                                                    | DUOTACK, 6-inch o.c. | Min. 0.125-inch Pika Ply Recover Board                                                                                | DUOTACK, 6-inch o.c. | SBS-SA1            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -215.0       |
| C-87.                                                                | Structural Concrete | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | DUOTACK              | Min. 0.125-inch Pika Ply Recover Board. Top surface shall be primed with ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | DUOTACK              | SBS-SA1            | (Optional) SBS-AA or SBS-SA1          | SBS-CA3, SBS-CA4 or SBS-AA          | -270.0       |
| C-88.                                                                | Structural Concrete | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | DUOTACK              | Min. 0.125-inch Pika Ply Recover Board                                                                                | DUOTACK              | SBS-SA1            | (Optional) SBS-TAF                    | SBS-TAF                             | -382.5       |

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

| SYSTEM No. | DECK <a href="#">(4.1.2)</a> | PRIME | BASE INSULATION LAYER                                                                                                                       |                                       | TOP INSULATION LAYER                                                                                                                                             |                                       | ROOF COVER <a href="#">(3.1.4)</a> |                                                         |                                     | MDP <a href="#">(psf)</a> |
|------------|------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------|
|            |                              |       | TYPE                                                                                                                                        | ATTACH <a href="#">(3.1.3)</a>        | TYPE                                                                                                                                                             | ATTACH <a href="#">(3.1.3)</a>        | BASE                               | PLY                                                     | CAP                                 |                           |
| C-89.      | Structural Concrete          | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | DUOTACK                               | Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                         | DUOTACK                               | SBS-SA1                            | (Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1   | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -190.0                    |
| C-90.      | Structural Concrete          | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | DUOTACK, 6-inch o.c.                  | Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                         | DUOTACK, 6-inch o.c.                  | SBS-SA1                            | (Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1   | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -285.0                    |
| C-91.      | Structural Concrete          | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | DUOTACK                               | Min. 0.25-inch DensDeck Prime. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                                    | DUOTACK                               | SBS-SA1                            | (Optional) SBS-TAF                                      | SBS-TAF                             | -315.0                    |
| C-92.      | Structural Concrete          | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | DUOTACK                               | Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                   | DUOTACK                               | SBS-SA1                            | (Optional) SBS-AA, SBS-CA3, SBS-CA4, SBS-SA1 or SBS-TAF | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -120.0                    |
| C-93.      | Structural Concrete          | None  | Min. 1.5-inch, min. 1.25 pcf, Insulfoam VIII Roofing EPS                                                                                    | DUOTACK                               | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board                                                                                                                  | DUOTACK                               | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF                   | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -152.5                    |
| C-94.      | Structural Concrete          | None  | (Optional) Min. 2-inch ACFoam-II, ACFoam-III, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 CGF, H-Shield, H-Shield CG or Multi-Max FA3  | DUOTACK                               | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board                                                                                                                  | DUOTACK                               | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF                   | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -172.5                    |
| C-95.      | Structural Concrete          | None  | Min. 1.5-inch, min. 1.25 pcf, Insulfoam VIII Roofing EPS                                                                                    | DUOTACK, 6-inch o.c.                  | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board                                                                                                                  | DUOTACK, 6-inch o.c.                  | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF                   | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -215.0                    |
| C-96.      | Structural Concrete          | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, ENRGY 3, ENRGY 3 CGF, ENRGY 3 25 PSI CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | DUOTACK                               | Min. 0.25-inch SECUROCK Gypsum Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                  | DUOTACK                               | SBS-SA1                            | (Optional) SBS-TAF                                      | SBS-TAF                             | -315.0                    |
| C-97.      | Structural Concrete          | None  | Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS                                                                                        | APOC Polyset Commercial Roof Adhesive | Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | APOC Polyset Commercial Roof Adhesive | SBS-SA1                            | (Optional) SBS-TAF                                      | SBS-TAF                             | -180.0                    |

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

| SYSTEM No. | DECK <a href="#">(4.1.2)</a> | PRIME | BASE INSULATION LAYER                                                                                                                                    |                                       | TOP INSULATION LAYER                                                                                                                                                                               |                                       | ROOF COVER <a href="#">(3.1.4)</a> |                                                       |                                     | MDP <a href="#">(psf)</a> |
|------------|------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------|-------------------------------------------------------|-------------------------------------|---------------------------|
|            |                              |       | TYPE                                                                                                                                                     | ATTACH <a href="#">(3.1.3)</a>        | TYPE                                                                                                                                                                                               | ATTACH <a href="#">(3.1.3)</a>        | BASE                               | PLY                                                   | CAP                                 |                           |
| C-98.      | Structural Concrete          | None  | Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS                                                                                                     | APOC Polyset Commercial Roof Adhesive | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board                                                                                                                                                    | APOC Polyset Commercial Roof Adhesive | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF                 | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -180.0                    |
| C-99.      | Structural Concrete          | None  | (Optional) Min. 0.5-inch ACFoam-II, Min. 1.5-inch ACFoam-III, H-Shield, H-Shield CG or Ultra-Max or Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS | APOC Polyset Commercial Roof Adhesive | Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                                                           | APOC Polyset Commercial Roof Adhesive | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF                 | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -190.0                    |
| C-100.     | Structural Concrete          | None  | (Optional) Min. 0.5-inch ACFoam-II, Min. 1.5-inch ACFoam-III, H-Shield, H-Shield CG or Ultra-Max or Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS | APOC Polyset Commercial Roof Adhesive | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board                                                                                                                                                    | APOC Polyset Commercial Roof Adhesive | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF                 | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -215.0                    |
| C-101.     | Structural Concrete          | None  | Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS                                                                                                     | APOC Polyset Commercial Roof Adhesive | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | APOC Polyset Commercial Roof Adhesive | SBS-SA1                            | (Optional) SBS-TAF                                    | SBS-TAF                             | -240.0                    |
| C-102.     | Structural Concrete          | None  | Min. 0.5-inch ACFoam-III, H-Shield, H-Shield CG or Ultra-Max                                                                                             | APOC Polyset Commercial Roof Adhesive | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | APOC Polyset Commercial Roof Adhesive | SBS-SA1                            | (Optional) SBS-TAF                                    | SBS-TAF                             | -270.0                    |
| C-103.     | Structural Concrete          | None  | Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC           | APOC Polyset Commercial Roof Adhesive | None                                                                                                                                                                                               | N/A                                   | SBS-SA1                            | (Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF, SBS-SA1 | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -285.0                    |
| C-104.     | Structural Concrete          | None  | (Optional) Min. 0.5-inch ACFoam-II                                                                                                                       | APOC Polyset Commercial Roof Adhesive | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | APOC Polyset Commercial Roof Adhesive | SBS-SA1                            | (Optional) SBS-TAF                                    | SBS-TAF                             | -315.0                    |

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

| SYSTEM No. | DECK <a href="#">(4.1.2)</a> | PRIME | BASE INSULATION LAYER                                                                                                                          |                                       | TOP INSULATION LAYER                                                                                                                            |                                | ROOF COVER <a href="#">(3.1.4)</a> |                                       |                   | MDP <a href="#">(psf)</a> |
|------------|------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------|---------------------------------------|-------------------|---------------------------|
|            |                              |       | TYPE                                                                                                                                           | ATTACH <a href="#">(3.1.3)</a>        | TYPE                                                                                                                                            | ATTACH <a href="#">(3.1.3)</a> | BASE                               | PLY                                   | CAP               |                           |
| C-105.     | Structural Concrete          | None  | Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | APOC Polyset Commercial Roof Adhesive | None                                                                                                                                            | N/A                            | SBS-SA1                            | (Optional) SBS-TAF                    | SBS-TAF           | -382.5                    |
| C-106.     | Structural Concrete          | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max                                              | Trufast RA                            | Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC        | Trufast RA                     | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-AA or SBS-TAF | -190.0                    |
| C-107.     | Structural Concrete          | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max                                              | Trufast RA, 4-inch o.c.               | Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC        | Trufast RA, 4-inch o.c.        | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-AA or SBS-TAF | -285.0                    |
| C-108.     | Structural Concrete          | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max                                              | Trufast RA                            | Min. 0.25-inch DensDeck Prime. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                   | Trufast RA                     | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-AA or SBS-TAF | -195.0                    |
| C-109.     | Structural Concrete          | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max                                              | Trufast RA                            | Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC  | Trufast RA                     | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-AA or SBS-TAF | -120.0                    |
| C-110.     | Structural Concrete          | None  | Min. 1.5-inch, min. 1.25 pcf, Insulfoam VIII Roofing EPS                                                                                       | Trufast RA                            | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board                                                                                                 | Trufast RA                     | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-AA or SBS-TAF | -152.5                    |
| C-111.     | Structural Concrete          | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max                                              | Trufast RA                            | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board                                                                                                 | Trufast RA                     | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-AA or SBS-TAF | -172.5                    |
| C-112.     | Structural Concrete          | None  | Min. 1.5-inch, min. 1.25 pcf, Insulfoam VIII Roofing EPS                                                                                       | Trufast RA, 4-inch o.c.               | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board                                                                                                 | Trufast RA, 4-inch o.c.        | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-AA or SBS-TAF | -215.0                    |
| C-113.     | Structural Concrete          | None  | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max                                              | Trufast RA                            | Min. 0.25-inch SECUROCK Gypsum Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | Trufast RA                     | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-AA or SBS-TAF | -195.0                    |

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**TABLE 11B: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER**

| SYSTEM NO.                                                           | DECK<br><a href="#">(4.1.2)</a> | PRIMER                                                                     | ROOF COVER <a href="#">(3.1.4)</a> |                                                |                                     | MDP<br><a href="#">(PSF)</a> |
|----------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------------|------------------------------------|------------------------------------------------|-------------------------------------|------------------------------|
|                                                                      |                                 |                                                                            | BASE                               | PLY                                            | CAP                                 |                              |
| COLD APPLIED BASE PLY:                                               |                                 |                                                                            |                                    |                                                |                                     |                              |
| C-114.                                                               | Structural Concrete             | ASTM D41, ELASTOCOL 500                                                    | SBS-CA4                            | (Optional) SBS-CA4                             | SBS-CA4                             | -97.5                        |
| C-115.                                                               | Structural Concrete             | None                                                                       | SBS-CA2, 6-inch o.c.               | (Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -180.0                       |
| C-116.                                                               | Structural Concrete             | None                                                                       | SBS-CA3                            | (Optional) SBS-CA3 or SBS-TAF                  | SBS-CA3 or SBS-TAF                  | -255.0                       |
| C-117.                                                               | Structural Concrete             | ASTM D41, ELASTOCOL 500                                                    | SBS-CA3                            | (Optional) SBS-CA3 or SBS-TAF                  | SBS-CA3 or SBS-TAF                  | -270.0                       |
| HOT OR TORCH APPLIED BASE PLY:                                       |                                 |                                                                            |                                    |                                                |                                     |                              |
| C-118.                                                               | Structural Concrete             | ASTM D41                                                                   | SBS-TAF                            | (Optional) SBS-TAF                             | SBS-TAF                             | -367.5                       |
| ELASTOPHENE STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE PLY: |                                 |                                                                            |                                    |                                                |                                     |                              |
| C-119.                                                               | Structural Concrete             | ELASTOCOL Stick, ELASTOCOL Stick Zero, ELASTOCOL Stick LVOC                | SBS-SA1                            | (Optional) SBS-CA4 or SBS-SA1                  | SBS-CA4                             | -67.5                        |
| C-120.                                                               | Structural Concrete             | ELASTOCOL 500, ELASTOCOL Stick, ELASTOCOL Stick Zero, ELASTOCOL Stick LVOC | SBS-SA1                            | (Optional) SBS-AA                              | SBS-AA                              | -242.5                       |
| C-121.                                                               | Structural Concrete             | ELASTOCOL 500, ELASTOCOL Stick, ELASTOCOL Stick Zero, ELASTOCOL Stick LVOC | SBS-SA1                            | (Optional) SBS-TAF                             | SBS-TAF                             | -272.5                       |

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**TABLE 12A: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)****SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER**REFER TO [TABLE VB-4](#) FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

| SYSTEM No.                     | DECK<br>(4.1.2)     | LIGHTWEIGHT CONCRETE (3.1.2)                                                                                                                                                                                                                                | BASE INSULATION LAYER                                          |                                       | COVERBOARD                                                        |                                       | ROOF COVER (3.1.4) |                              |                   | MDP<br>(PSF) |
|--------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------------|---------------------------------------|--------------------|------------------------------|-------------------|--------------|
|                                |                     |                                                                                                                                                                                                                                                             | TYPE                                                           | ATTACH<br>(3.1.3)                     | TYPE                                                              | ATTACH<br>(3.1.3)                     | BASE               | PLY                          | CAP               |              |
| CELCORE:                       |                     |                                                                                                                                                                                                                                                             |                                                                |                                       |                                                                   |                                       |                    |                              |                   |              |
| COLD APPLIED BASE PLY:         |                     |                                                                                                                                                                                                                                                             |                                                                |                                       |                                                                   |                                       |                    |                              |                   |              |
| LWC-1.                         | Structural Concrete | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. Celcore PVA Curing Compound                                                                                                                                    | (Optional) Min. 2-inch AC Foam-III or H-Shield CG              | DUOTACK                               | Min. 0.125-inch Pika Ply Recover Board                            | DUOTACK                               | SBS-CA3, SBS-CA4   | (Optional) SBS-CA4           | SBS-CA3, SBS-CA4  | -105.0       |
| LWC-2.                         | Structural Concrete | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 370 psi, Min. 2-inch top coat. Celcore PVA Curing Compound is applied                                                                                                                         | Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS           | APOC Polyset Commercial Roof Adhesive | Min. 0.25-inch DensDeck Prime or SECURUCK Gypsum-Fiber Roof Board | APOC Polyset Commercial Roof Adhesive | SBS-CA3            | (Optional) SBS-CA3           | SBS-CA3           | -180.0       |
| LWC-3.                         | Structural Concrete | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 370 psi, Min. 2-inch top coat. Celcore PVA Curing Compound is applied                                                                                                                         | Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS           | APOC Polyset Commercial Roof Adhesive | Min. 0.25-inch DensDeck Prime or SECURUCK Gypsum-Fiber Roof Board | APOC Polyset Commercial Roof Adhesive | SBS-CA3            | (Optional) SBS-CA3           | SBS-CA3           | -240.0       |
| LWC-4.                         | Structural Concrete | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 370 psi, Min. 2-inch top coat. Celcore PVA Curing Compound is applied                                                                                                                         | (Optional) Min. 0.5-inch AC Foam-III, H-Shield CG or Ultra-Max | APOC Polyset Commercial Roof Adhesive | Min. 0.25-inch DensDeck Prime or SECURUCK Gypsum-Fiber Roof Board | APOC Polyset Commercial Roof Adhesive | SBS-CA3, SBS-CA4   | (Optional) SBS-CA3, SBS-CA4  | SBS-CA3, SBS-CA4  | -270.0       |
| HOT OR TORCH APPLIED BASE PLY: |                     |                                                                                                                                                                                                                                                             |                                                                |                                       |                                                                   |                                       |                    |                              |                   |              |
| LWC-5.                         | Structural Concrete | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. Celcore PVA Curing Compound                                                                                                                                    | Min. 0.125-inch Pika Ply Recover Board                         | DUOTACK                               | None                                                              | N/A                                   | SBS-AA or SBS-TAF  | (Optional) SBS-AA or SBS-TAF | SBS-AA or SBS-TAF | -115.0       |
| LWC-6.                         | Structural Concrete | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. Celcore PVA Curing Compound                                                                                                                                    | Min. 2-inch AC Foam-III or H-Shield CG                         | DUOTACK                               | Min. 0.125-inch Pika Ply Recover Board                            | DUOTACK                               | SBS-AA or SBS-TAF  | (Optional) SBS-AA or SBS-TAF | SBS-AA or SBS-TAF | -170.0       |
| LWC-7.                         | Structural Concrete | <b>Vapor Barrier; Required:</b> Pika Ply 180 (SF) or Pika Ply 180 (SF) 3.5, torch applied<br><b>LWC:</b> Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 340 psi, Min. 2-inch top coat. Celcore SBS (Sanded Bonding Surface) at 1 gal/square. | Min. 0.125-inch Pika Ply Recover Board                         | DUOTACK                               | None                                                              | N/A                                   | SBS-TAF            | (Optional) SBS-TAF           | SBS-TAF           | -410.0       |
| LWC-8.                         | Structural Concrete | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. Celcore PVA Curing Compound                                                                                                                                    | Min. 7/16-inch DEXcell Cement Roof Board                       | DUOTACK                               | None                                                              | N/A                                   | SBS-AA or SBS-TAF  | (Optional) SBS-AA or SBS-TAF | SBS-AA or SBS-TAF | -115.0       |
| LWC-9.                         | Structural Concrete | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. Celcore PVA Curing Compound                                                                                                                                    | Min. 2-inch AC Foam-III or H-Shield CG                         | DUOTACK                               | Min. 7/16-inch DEXcell Cement Roof Board                          | DUOTACK                               | SBS-AA or SBS-TAF  | (Optional) SBS-AA or SBS-TAF | SBS-AA or SBS-TAF | -170.0       |

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**TABLE 12A: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)****SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER**REFER TO [TABLE VB-4](#) FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

| SYSTEM No. | DECK <a href="#">(4.1.2)</a> | LIGHTWEIGHT CONCRETE <a href="#">(3.1.2)</a>                                                                                        | BASE INSULATION LAYER                                         |                                       | COVERBOARD                                                        |                                       | ROOF COVER <a href="#">(3.1.4)</a> |                              |                   | MDP <a href="#">(PSF)</a> |
|------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------------|---------------------------------------|------------------------------------|------------------------------|-------------------|---------------------------|
|            |                              |                                                                                                                                     | TYPE                                                          | ATTACH <a href="#">(3.1.3)</a>        | TYPE                                                              | ATTACH <a href="#">(3.1.3)</a>        | BASE                               | PLY                          | CAP               |                           |
| LWC-10.    | Structural Concrete          | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. Celcore PVA Curing Compound            | Min. 0.5-inch SECUROCK Cement Board                           | DUOTACK                               | None                                                              | N/A                                   | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF | SBS-AA or SBS-TAF | -115.0                    |
| LWC-11.    | Structural Concrete          | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. Celcore PVA Curing Compound            | Min. 2-inch ACFoam-III or H-Shield CG                         | DUOTACK                               | Min. 0.5-inch SECUROCK Cement Board                               | DUOTACK                               | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF | SBS-AA or SBS-TAF | -170.0                    |
| LWC-12.    | Structural Concrete          | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. Celcore PVA Curing Compound            | Min. 0.25-inch DensDeck Prime                                 | DUOTACK                               | None                                                              | N/A                                   | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF | SBS-AA or SBS-TAF | -115.0                    |
| LWC-13.    | Structural Concrete          | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. Celcore PVA Curing Compound            | Min. 2-inch ACFoam-III or H-Shield CG                         | DUOTACK                               | Min. 0.25-inch DensDeck Prime                                     | DUOTACK                               | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF | SBS-AA or SBS-TAF | -170.0                    |
| LWC-14.    | Structural Concrete          | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. Celcore PVA Curing Compound            | Min. 0.25-inch DEXcell FA Glass Mat Roof Board                | DUOTACK                               | None                                                              | N/A                                   | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF | SBS-AA or SBS-TAF | -115.0                    |
| LWC-15.    | Structural Concrete          | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. Celcore PVA Curing Compound            | Min. 2-inch ACFoam-III or H-Shield CG                         | DUOTACK                               | Min. 0.25-inch DEXcell FA Glass Mat Roof Board                    | DUOTACK                               | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF | SBS-AA or SBS-TAF | -120.0                    |
| LWC-16.    | Structural Concrete          | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. Celcore PVA Curing Compound            | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board               | DUOTACK                               | None                                                              | N/A                                   | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF | SBS-AA or SBS-TAF | -115.0                    |
| LWC-17.    | Structural Concrete          | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. Celcore PVA Curing Compound            | Min. 2-inch ACFoam-III or H-Shield CG                         | DUOTACK                               | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board                   | DUOTACK                               | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF | SBS-AA or SBS-TAF | -170.0                    |
| LWC-18.    | Structural Concrete          | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 370 psi, Min. 2-inch top coat. Celcore PVA Curing Compound is applied | Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS          | APOC Polyset Commercial Roof Adhesive | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | APOC Polyset Commercial Roof Adhesive | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF | SBS-AA or SBS-TAF | -180.0                    |
| LWC-19.    | Structural Concrete          | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 370 psi, Min. 2-inch top coat. Celcore PVA Curing Compound is applied | Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS          | APOC Polyset Commercial Roof Adhesive | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | APOC Polyset Commercial Roof Adhesive | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF | SBS-AA or SBS-TAF | -240.0                    |
| LWC-20.    | Structural Concrete          | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 370 psi, Min. 2-inch top coat. Celcore PVA Curing Compound is applied | (Optional) Min. 0.5-inch ACFoam-III, H-Shield CG or Ultra-Max | APOC Polyset Commercial Roof Adhesive | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board | APOC Polyset Commercial Roof Adhesive | SBS-AA or SBS-TAF                  | (Optional) SBS-AA or SBS-TAF | SBS-AA or SBS-TAF | -270.0                    |

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**TABLE 12A: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)****SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER**REFER TO [TABLE VB-4](#) FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

| SYSTEM No.                                                           | DECK<br><a href="#">(4.1.2)</a> | LIGHTWEIGHT CONCRETE <a href="#">(3.1.2)</a>                                                                                        | BASE INSULATION LAYER                                                                                                 |                                       | COVERBOARD                                                                                                                                                        |                                       | ROOF COVER <a href="#">(3.1.4)</a> |                                       |                                     | MDP<br><a href="#">(PSF)</a> |
|----------------------------------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------|---------------------------------------|-------------------------------------|------------------------------|
|                                                                      |                                 |                                                                                                                                     | TYPE                                                                                                                  | ATTACH<br><a href="#">(3.1.3)</a>     | TYPE                                                                                                                                                              | ATTACH<br><a href="#">(3.1.3)</a>     | BASE                               | PLY                                   | CAP                                 |                              |
| ELASTOPHENE STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE PLY: |                                 |                                                                                                                                     |                                                                                                                       |                                       |                                                                                                                                                                   |                                       |                                    |                                       |                                     |                              |
| LWC-21.                                                              | Structural Concrete             | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. Celcore PVA Curing Compound            | Min. 0.125-inch Pika Ply Recover Board                                                                                | DUOTACK                               | None                                                                                                                                                              | N/A                                   | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-AA or SBS-TAF                   | -115.0                       |
| LWC-22.                                                              | Structural Concrete             | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat. Celcore PVA Curing Compound            | Min. 2-inch ACFoam-III or H-Shield CG                                                                                 | DUOTACK                               | Min. 0.125-inch Pika Ply Recover Board                                                                                                                            | DUOTACK                               | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-AA or SBS-TAF                   | -155.0                       |
| LWC-23.                                                              | Structural Concrete             | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 370 psi, Min. 2-inch top coat. Celcore PVA Curing Compound is applied | Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS                                                                  | APOC Polyset Commercial Roof Adhesive | Min. 0.25-inch DensDeck Prime. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                                     | APOC Polyset Commercial Roof Adhesive | SBS-SA1                            | (Optional) SBS-TAF                    | SBS-TAF                             | -180.0                       |
| LWC-24.                                                              | Structural Concrete             | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 370 psi, Min. 2-inch top coat. Celcore PVA Curing Compound is applied | Min. 1.5-inch, min. 1.5 pcf Insulfoam II Roofing EPS                                                                  | APOC Polyset Commercial Roof Adhesive | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board                                                                                                                   | APOC Polyset Commercial Roof Adhesive | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -180.0                       |
| LWC-25.                                                              | Structural Concrete             | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 370 psi, Min. 2-inch top coat. Celcore PVA Curing Compound is applied | (Optional) Min. 0.5-inch ACFoam-III, H-Shield CG or Ultra-Max or Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS | APOC Polyset Commercial Roof Adhesive | Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board                                                                                                                   | APOC Polyset Commercial Roof Adhesive | SBS-SA1                            | (Optional) SBS-AA, SBS-SA1 or SBS-TAF | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -215.0                       |
| LWC-26.                                                              | Structural Concrete             | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 370 psi, Min. 2-inch top coat. Celcore PVA Curing Compound is applied | Min. 1.5-inch, min. 2.0 pcf Insulfoam IX Roofing EPS                                                                  | APOC Polyset Commercial Roof Adhesive | Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | APOC Polyset Commercial Roof Adhesive | SBS-SA1                            | (Optional) SBS-TAF                    | SBS-TAF                             | -240.0                       |

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**TABLE 12A: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)****SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER**REFER TO [TABLE VB-4](#) FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

| SYSTEM No.                        | DECK <a href="#">(4.1.2)</a> | LIGHTWEIGHT CONCRETE <a href="#">(3.1.2)</a>                                                                                                                                                            | BASE INSULATION LAYER                                          |                                       | COVERBOARD                                                                                                                                                         |                                       | ROOF COVER <a href="#">(3.1.4)</a> |                    |         | MDP <a href="#">(PSF)</a> |
|-----------------------------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------|--------------------|---------|---------------------------|
|                                   |                              |                                                                                                                                                                                                         | TYPE                                                           | ATTACH <a href="#">(3.1.3)</a>        | TYPE                                                                                                                                                               | ATTACH <a href="#">(3.1.3)</a>        | BASE                               | PLY                | CAP     |                           |
| LWC-27.                           | Structural Concrete          | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 370 psi, Min. 2-inch top coat. Celcore PVA Curing Compound is applied                                                                     | (Optional) Min. 1.5-inch AC Foam-III, H-Shield CG or Ultra-Max | APOC Polyset Commercial Roof Adhesive | Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board. Top surface shall be primed with ELASTOCOL Stick, ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | APOC Polyset Commercial Roof Adhesive | SBS-SA1                            | (Optional) SBS-TAF | SBS-TAF | -270.0                    |
| <b>PRE-EXISTENT CELLULAR LWC:</b> |                              |                                                                                                                                                                                                         |                                                                |                                       |                                                                                                                                                                    |                                       |                                    |                    |         |                           |
| <b>TORCH APPLIED BASE PLY:</b>    |                              |                                                                                                                                                                                                         |                                                                |                                       |                                                                                                                                                                    |                                       |                                    |                    |         |                           |
| LWC-28.                           | Structural Concrete          | Cellular lightweight concrete, Min. 400 psi, Min. 2-inch top coat <i>Note: Trufast FM-90 Base Sheet Fastener shall achieve an average withdrawal of 156 lbf when tested per <a href="#">(4.2.2)</a></i> | Min. 0.125-inch Pika Ply Recover Board                         | DUOTACK 365, 6-inch o.c.              | None                                                                                                                                                               | N/A                                   | SBS-TAF                            | (Optional) SBS-TAF | SBS-TAF | -210.0                    |

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**TABLE 12b: 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**REFER TO [TABLE VB-4](#) FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

| SYSTEM NO.                                                           | DECK<br>(4.1.2)     | LIGHTWEIGHT CONCRETE (3.1.2)                                                                                                                                                                                                           | VAPOR BARRIER<br>(3.1.4)          | BASE INSULATION LAYER                                                                                                   |                | COVERBOARD                                                                                                                                     |                | ROOF COVER (3.1.4)       |                                                                |                                            | MDP<br>(PSF) |
|----------------------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------|----------------------------------------------------------------|--------------------------------------------|--------------|
|                                                                      |                     |                                                                                                                                                                                                                                        |                                   | TYPE                                                                                                                    | ATTACH (3.1.3) | TYPE                                                                                                                                           | ATTACH (3.1.3) | BASE                     | PLY                                                            | CAP                                        |              |
| PRE-EXISTENT CELLULAR LWC:                                           |                     |                                                                                                                                                                                                                                        |                                   |                                                                                                                         |                |                                                                                                                                                |                |                          |                                                                |                                            |              |
| COLD APPLIED BASE PLY:                                               |                     |                                                                                                                                                                                                                                        |                                   |                                                                                                                         |                |                                                                                                                                                |                |                          |                                                                |                                            |              |
| LWC-29.                                                              | Structural Concrete | Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat <i>Note: Trufast FM-90 Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)</i> | SBS-CA2, 6-inch o.c. (sanded-top) | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, ENRGY 3, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | DUOTACK        | Min. 0.125-inch Pika Ply Recover Board                                                                                                         | DUOTACK        | SBS-CA3, SBS-CA4         | (Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1 | SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF | -60.0        |
| LWC-30.                                                              | Structural Concrete | Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat <i>Note: Trufast FM-90 Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)</i> | SBS-CA2, 6-inch o.c. (sanded-top) | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, ENRGY 3, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | DUOTACK        | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board | DUOTACK        | SBS-CA3, SBS-CA4         | (Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1 | SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF | -60.0        |
| HOT OR TORCH APPLIED BASE PLY:                                       |                     |                                                                                                                                                                                                                                        |                                   |                                                                                                                         |                |                                                                                                                                                |                |                          |                                                                |                                            |              |
| LWC-31.                                                              | Structural Concrete | Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat <i>Note: Trufast FM-90 Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)</i> | SBS-CA2, 6-inch o.c. (sanded-top) | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, ENRGY 3, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | DUOTACK        | Min. 0.125-inch Pika Ply Recover Board                                                                                                         | DUOTACK        | SBS-AA, SBS-AA2, SBS-TAF | (Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1 | SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF | -60.0        |
| LWC-32.                                                              | Structural Concrete | Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat <i>Note: Trufast FM-90 Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)</i> | SBS-CA2, 6-inch o.c. (sanded-top) | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, ENRGY 3, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | DUOTACK        | Min. 0.25-inch DensDeck Prime DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board  | DUOTACK        | SBS-AA, SBS-AA2, SBS-TAF | (Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1 | SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF | -60.0        |
| ELASTOPHENE STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE PLY: |                     |                                                                                                                                                                                                                                        |                                   |                                                                                                                         |                |                                                                                                                                                |                |                          |                                                                |                                            |              |
| LWC-33.                                                              | Structural Concrete | Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat <i>Note: Trufast FM-90 Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per (4.2.2)</i> | SBS-CA2, 6-inch o.c. (sanded-top) | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, ENRGY 3, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | DUOTACK        | Min. 0.125-inch Pika Ply Recover Board primed with ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC                                                | DUOTACK        | SBS-SA1                  | (Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1 | SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF | -60.0        |



**TABLE 12b: 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**

REFER TO [TABLE VB-4](#) FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

| SYSTEM NO. | DECK <a href="#">(4.1.2)</a> | LIGHTWEIGHT CONCRETE <a href="#">(3.1.2)</a>                                                                                                                                                                                                              | VAPOR BARRIER <a href="#">(3.1.4)</a> | BASE INSULATION LAYER                                                                                                   |                                | COVERBOARD                                                                                                                                                                                                           |                                | ROOF COVER <a href="#">(3.1.4)</a> |                                                                |                                            | MDP (PSF) |
|------------|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------|----------------------------------------------------------------|--------------------------------------------|-----------|
|            |                              |                                                                                                                                                                                                                                                           |                                       | TYPE                                                                                                                    | ATTACH <a href="#">(3.1.3)</a> | TYPE                                                                                                                                                                                                                 | ATTACH <a href="#">(3.1.3)</a> | BASE                               | PLY                                                            | CAP                                        |           |
| LWC-34.    | Structural Concrete          | Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat<br><i>Note: Trufast FM-90 Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per <a href="#">(4.2.2)</a></i> | SBS-CA2, 6-inch o.c. (sanded-top)     | (Optional) Min. 1.5-inch ACFoam-II, ACFoam-III, ENRGY 3, ENRGY 3 CGF, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max | DUOTACK                        | Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface primed with ELASTOCOL Stick Zero or ELASTOCOL Stick LVOC | DUOTACK                        | SBS-SA1                            | (Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF, SBS-SA1 | SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TAF | -60.0     |

**TABLE 12c: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**

**SYSTEM TYPE E-2: LWC TO DECK, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER**

REFER TO [TABLE VB-4](#) FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

| SYSTEM No.                 | DECK <a href="#">(4.1.2)</a>                                          | LIGHTWEIGHT CONCRETE <a href="#">(3.1.2)</a>                                                                                                                                                  | BASE SHEET                         |                                                        |                                                                                             | ROOF COVER <a href="#">(3.1.4)</a> |                            | MDP <a href="#">(PSF)</a> |
|----------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------|----------------------------|---------------------------|
|                            |                                                                       |                                                                                                                                                                                               | BASE                               | FASTENER <a href="#">(4.2.2)</a>                       | SPACING                                                                                     | BASE PLY(S)                        | CAP                        |                           |
| CONCRECEL:                 |                                                                       |                                                                                                                                                                                               |                                    |                                                        |                                                                                             |                                    |                            |                           |
| LWC-35.                    | Min. 22 ga. Type BV, Grade 80 steel; 5 ft span or structural concrete | Deck treated with Concrecel Bonding Agent; Concrecel Concrete, Min. 300 psi, Min. 2.25-inch top coat. Concrecel Curing Compound.                                                              | Pika Ply 180 (S) or Pika Ply SS-3P | Trufast FM-90 Base Sheet Fastener                      | 7-inch o.c. at the 4-inch laps and 7-inch o.c. in two equally spaced, staggered center rows | One or two SBS-AA or SBS-TAF       | SBS-CA3, SBS-AA or SBS-TAF | -82.5                     |
| PRE-EXISTENT CELLULAR LWC: |                                                                       |                                                                                                                                                                                               |                                    |                                                        |                                                                                             |                                    |                            |                           |
| LWC-36.                    | Min. 22 ga. Type B steel; 5 ft span or structural concrete            | Cellular lightweight concrete, Min. 300 psi, Min. 2-inch top coat. <i>Note: 1.8-inch Twin Loc-Nail shall achieve an average withdrawal of 110 lbf when tested per <a href="#">(4.2.2)</a></i> | Pika Ply 180 (S) or Pika Ply SS-3P | Min. 1.8-inch Trufast Twin Loc-Nail Assembled Fastener | 9-inch o.c. at 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows    | One or two SBS-AA or SBS-TAF       | SBS-CA3, SBS-AA or SBS-TAF | -75.0                     |

**TABLE 12d: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**

**SYSTEM TYPE E-2: LWC TO DECK, MECHANICALLY ATTACHED SOPRAPHIX, BONDED ROOF COVER**

REFER TO [TABLE VB-4](#) FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

| SYSTEM<br>No. | DECK<br>(4.1.2)                            | LIGHTWEIGHT CONCRETE<br>(3.1.2)                                                                                           | BASE MEMBRANE  |                                    |                                                                                                                                     | ROOF COVER (3.1.4) |                  | MDP<br>(PSF) |
|---------------|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------|--------------|
|               |                                            |                                                                                                                           | BASE (3.1.4.B) | FASTENER (4.2.2)                   | SPACING                                                                                                                             | PLY                | CAP              |              |
| CELCORE:      |                                            |                                                                                                                           |                |                                    |                                                                                                                                     |                    |                  |              |
| LWC-37.       | Min. 20 ga., Type N or DR steel; 8 ft span | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 660 psi, Min. 2-inch top coat. Celcore PVA Curing Compound. | Pika Ply SS-4  | Tri-Fixx Fastener and Stress Plate | 6-inch o.c. within 5-inch wide laps. Fastener row sealed within side laps using Multi-Ply Adhesive SF II HP at 50 lineal-ft/gallon. | None               | SBS-CA3, SBS-CA4 | -75.0        |



**TABLE 12d: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**

**SYSTEM TYPE E-2: LWC TO DECK, MECHANICALLY ATTACHED SOPRAPHIX, BONDED ROOF COVER**

REFER TO [TABLE VB-4](#) FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

| SYSTEM No.                        | DECK <a href="#">(4.1.2)</a>                                          | LIGHTWEIGHT CONCRETE <a href="#">(3.1.2)</a>                                                                                                                                             | BASE MEMBRANE                  |                                    |                                                                                                                                                                          | ROOF COVER <a href="#">(3.1.4)</a> |                  | MDP <a href="#">(PSF)</a> |
|-----------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|------------------|---------------------------|
|                                   |                                                                       |                                                                                                                                                                                          | BASE <a href="#">(3.1.4.B)</a> | FASTENER <a href="#">(4.2.2)</a>   | SPACING                                                                                                                                                                  | PLY                                | CAP              |                           |
| LWC-38.                           | Min. 22 ga. Type BV, Grade 40 steel; 6 ft span or structural concrete | Treatment: Celcore S-1.<br>LWC: Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 660 psi, Min. 2-inch top coat. Celcore PVA Curing Compound.                                | Pika Ply SS-4                  | Tri-Fixx Fastener and Stress Plate | 6-inch o.c. within 5-inch wide laps. Fastener row sealed within side laps using Multi-Ply Adhesive SF II HP at 50 lineal-ft/gallon.                                      | None                               | SBS-CA3, SBS-CA4 | -82.5                     |
| <b>PRE-EXISTENT CELLULAR LWC:</b> |                                                                       |                                                                                                                                                                                          |                                |                                    |                                                                                                                                                                          |                                    |                  |                           |
| LWC-39.                           | Min. 22 ga. Type B, Grade 40 steel or structural concrete             | Cellular lightweight concrete, Min. 370 psi, Min. 2-inch top coat <i>Note: Tri-Fixx Fastener shall achieve an average withdrawal of 193 lbf when tested per <a href="#">(4.2.2)</a></i>  | Pika Ply SS-4                  | Tri-Fixx Fastener and Stress Plate | 6-inch o.c. within 5-inch wide laps. Fastener row sealed within side laps using Multi-Ply Adhesive SF II HP at 50 lineal-ft/gallon.                                      | None                               | SBS-CA3, SBS-CA4 | -67.5                     |
| LWC-40.                           | Min. 22 ga., Type BV, Grade 40 steel or structural concrete           | Cellular lightweight concrete, Min. 500 psi, Min. 2-inch top coat. <i>Note: Tri-Fixx Fastener shall achieve an average withdrawal of 158 lbf when tested per <a href="#">(4.2.2)</a></i> | Pika Ply SS-4                  | Tri-Fixx Fastener and Stress Plate | 8-inch o.c. within the 5-inch wide laps and 8-inch o.c. at one (1) center row. Fastener row within laps sealed using Multi-Ply Adhesive SF II HP at 50 lineal-ft/gallon. | None                               | SBS-CA3          | -82.5                     |

**TABLE 12E: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**

**SYSTEM TYPE F: LWC TO DECK, BONDED ROOF COVER**

| SYSTEM NO. | DECK <a href="#">(4.1.2)</a>                                                                  | LIGHTWEIGHT CONCRETE <a href="#">(3.1.2)</a>          |                                                                                             |                             | ROOF COVER <a href="#">(3.1.4)</a>                  |                      |                                                         |                                     | MDP   |
|------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------|-----------------------------------------------------|----------------------|---------------------------------------------------------|-------------------------------------|-------|
|            |                                                                                               | PRIMER                                                | TYPE                                                                                        | TREATMENT                   | PRIMER                                              | BASE                 | PLY                                                     | CAP                                 | (PSF) |
| CELCORE:   |                                                                                               |                                                       |                                                                                             |                             |                                                     |                      |                                                         |                                     |       |
| LWC-41.    | Min. 22 ga., Type BV, Grade 40 steel; 6 ft span                                               | None                                                  | Celcore Cellular Concrete, Min. 380 psi, Min. 2-inch top coat                               | None                        | (Optional) ASTM D41, ELASTOCOL 500, ELASTOCOL Stick | SBS-CA2, 6-inch o.c. | (Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1 | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -60.0 |
| LWC-42.    | Min. 22 ga., Type BV, Grade 40 steel; 6 ft span or min. 20 ga., Type N or DR steel; 8 ft span | Celcore S-1 Deck Preparation Slurry                   | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 340 psi, Min. 2-inch top coat | Celcore PVA Curing Compound | None                                                | SBS-CA2, 6-inch o.c. | (Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1 | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -60.0 |
| LWC-43.    | Min. 20 ga., Type N or DR steel; 8 ft span                                                    | Celcore S-1 Deck Preparation Slurry                   | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 340 psi, Min. 2-inch top coat | Celcore PVA Curing Compound | None                                                | SBS-CA2, 6-inch o.c. | (Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF          | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -75.0 |
| LWC-44.    | Min. 22 ga., Type BV, Grade 40 steel; 6 ft span                                               | Celcore S-1 Deck Preparation Slurry                   | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 340 psi, Min. 2-inch top coat | Celcore PVA Curing Compound | None                                                | SBS-CA2, 6-inch o.c. | (Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF          | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -90.0 |
| CONCRECEL: |                                                                                               |                                                       |                                                                                             |                             |                                                     |                      |                                                         |                                     |       |
| LWC-45.    | Min. 22 ga., Type BV, Grade 80 steel; 5 ft span                                               | Concrecel Bonding Agent at 1200 ft <sup>2</sup> /gal. | Concrecel Concrete, Min. 300 psi, min. 2.25-inch top coat                                   | Concrecel Curing Compound   | (Optional) ASTM D41, ELASTOCOL 500, ELASTOCOL Stick | SBS-CA2, 6-inch o.c. | (Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1 | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -60.0 |

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**TABLE 12E: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)****SYSTEM TYPE F: LWC TO DECK, BONDED ROOF COVER**

| SYSTEM NO.  | DECK <a href="#">(4.1.2)</a>                    | LIGHTWEIGHT CONCRETE <a href="#">(3.1.2)</a> |                                                                                                       |           | ROOF COVER <a href="#">(3.1.4)</a>                  |                      |                                                         |                                     | MDP <a href="#">(PSF)</a> |
|-------------|-------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------|----------------------|---------------------------------------------------------|-------------------------------------|---------------------------|
|             |                                                 | PRIMER                                       | TYPE                                                                                                  | TREATMENT | PRIMER                                              | BASE                 | PLY                                                     | CAP                                 |                           |
| ELASTIZELL: |                                                 |                                              |                                                                                                       |           |                                                     |                      |                                                         |                                     |                           |
| LWC-46.     | Min. 22 ga., Type BV, Grade 33 steel; 6 ft span | None                                         | Elastizell Lightweight Insulating Concrete with Zell-Crete Fibers, Min. 710 psi, min. 2-inch top coat | None      | (Optional) ASTM D41, ELASTOCOL 500, ELASTOCOL Stick | SBS-CA2, 6-inch o.c. | (Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TAF or SBS-SA1 | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -60.0                     |

**TABLE 12F: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)****SYSTEM TYPE F: THERMAL BARRIER TO DECK, VAPOR BARRIER TO THERMAL BARRIER, LWC TO VAPOR BARRIER, BONDED ROOF COVER**

| SYSTEM No. | DECK<br>(4.1.2)                               | THERMAL BARRIER                |                                                                                                         |                           | VAPOR BARRIER<br>(3.1.4) | LIGHTWEIGHT CONCRETE (3.1.2)                                                                                              | ROOF COVER (3.1.4)   |                    |         | MDP<br>(PSF) |
|------------|-----------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------|---------|--------------|
|            |                                               | TYPE                           | FASTENER (4.2.2)                                                                                        | ATTACH                    |                          |                                                                                                                           | BASE PLY             | PLY                | CAP PLY |              |
| CELCORE:   |                                               |                                |                                                                                                         |                           |                          |                                                                                                                           |                      |                    |         |              |
| LWC-47.    | Min. 22 ga. Type B, Grade 33 steel; 6 ft span | Min. 0.625-inch DensDeck Prime | Dekfast DF-#14-PH3 or Trufast #14 HD Fastener with Dekfast PLT-R-3 or Trufast 3" Metal Insulation Plate | 1 per 1.8 ft <sup>2</sup> | SBS-TAF (sanded top)     | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 340 psi, Min. 2-inch top coat. Celcore PVA Curing Compound. | SBS-CA2, 6-inch o.c. | (Optional) SBS-TAF | SBS-TAF | -82.5        |

**TABLE 12G: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION****SYSTEM TYPE F: LWC TO DECK OR TO TEMPORARY ROOF, BONDED ROOF COVER**REFER TO [TABLE VB-4](#) FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

| SYSTEM NO. | DECK<br>(4.1.2)              | VAPOR BARRIER<br>(3.1.4) | LIGHTWEIGHT CONCRETE (3.1.2)                                                                                                            |                             | ROOF COVER (3.1.4)                                  |                      |                                                |                                     | MDP<br>(PSF) |
|------------|------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------------------------------|----------------------|------------------------------------------------|-------------------------------------|--------------|
|            |                              |                          | TYPE                                                                                                                                    | SURFACE TREATMENT           | PRIMER                                              | BASE                 | PLY                                            | CAP                                 |              |
| CELCORE:   |                              |                          |                                                                                                                                         |                             |                                                     |                      |                                                |                                     |              |
| LWC-48.    | Structural Concrete          | Table VB-4               | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi or Celcore Cellular Concrete, Min. 380 psi, Min. 2-inch top coat. | Celcore PVA Curing Compound | (Optional) ASTM D41, ELASTOCOL 500, ELASTOCOL Stick | SBS-CA2, 6-inch o.c. | (Optional) SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -60.0        |
| LWC-49.    | Structural Concrete          | Table VB-4               | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat                                             | Celcore PVA Curing Compound | ASTM D41                                            | SBS-TAF              | (Optional) SBS-TAF                             | SBS-TAF                             | -262.5       |
| LWC-50.    | Structural Concrete (primed) | SBS-TAF (sanded top)     | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat                                             | Celcore PVA Curing Compound | ASTM D41                                            | SBS-TAF              | (Optional) SBS-TAF                             | SBS-TAF                             | -360.0       |
| LWC-51.    | Structural Concrete          | None                     | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 330 psi, Min. 2-inch top coat                                             | Celcore PVA Curing Compound | None                                                | SBS-CA2, 6-inch o.c. | (Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -180.0       |

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**TABLE 12G: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION  
SYSTEM TYPE F: LWC TO DECK OR TO TEMPORARY ROOF, BONDED ROOF COVER**REFER TO [TABLE VB-4](#) FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

| SYSTEM No.                        | DECK<br><a href="#">(4.1.2)</a> | VAPOR BARRIER<br><a href="#">(3.1.4)</a>           | LIGHTWEIGHT CONCRETE <a href="#">(3.1.2)</a>                                                                                                                                                                                                              |                             | ROOF COVER <a href="#">(3.1.4)</a>                  |                      |                                                |                                     | MDP<br><a href="#">(PSF)</a> |
|-----------------------------------|---------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------------------------------|----------------------|------------------------------------------------|-------------------------------------|------------------------------|
|                                   |                                 |                                                    | TYPE                                                                                                                                                                                                                                                      | SURFACE TREATMENT           | PRIMER                                              | BASE                 | PLY                                            | CAP                                 |                              |
| LWC-52.                           | Structural Concrete (primed)    | SBS-TAF (sanded top)                               | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 330 psi, Min. 2-inch top coat                                                                                                                                                               | Celcore PVA Curing Compound | None                                                | SBS-CA2, 6-inch o.c. | (Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -180.0                       |
| LWC-53.                           | Structural Concrete             | None                                               | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 330 psi, Min. 2-inch top coat                                                                                                                                                               | Celcore PVA Curing Compound | None                                                | SBS-CA3              | (Optional) SBS-CA4                             | SBS-CA4                             | -382.5                       |
| LWC-54.                           | Structural Concrete (primed)    | SBS-TAF (sanded top)                               | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 330 psi, Min. 2-inch top coat                                                                                                                                                               | Celcore PVA Curing Compound | None                                                | SBS-CA3              | (Optional) SBS-CA4                             | SBS-CA4                             | -382.5                       |
| LWC-55.                           | Structural Concrete             | None                                               | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 330 psi, Min. 2-inch top coat                                                                                                                                                               | Celcore PVA Curing Compound | None                                                | SBS-CA3              | (Optional) SBS-CA3, SBS-AA or SBS-TAF          | SBS-CA3, SBS-AA or SBS-TAF          | -445.0                       |
| LWC-56.                           | Structural Concrete (primed)    | SBS-TAF (sanded top)                               | Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 330 psi, Min. 2-inch top coat                                                                                                                                                               | Celcore PVA Curing Compound | None                                                | SBS-CA3              | (Optional) SBS-CA3, SBS-AA or SBS-TAF          | SBS-CA3, SBS-AA or SBS-TAF          | -445.0                       |
| <b>CONCRECEL:</b>                 |                                 |                                                    |                                                                                                                                                                                                                                                           |                             |                                                     |                      |                                                |                                     |                              |
| LWC-57.                           | Structural Concrete             | (Optional) Asphaltic plies with asphalt flood coat | Concrecel Bonding Agent followed by Concrecel Concrete, Min. 300 psi, Min. 2-inch top coat                                                                                                                                                                | Concrecel Curing Comp       | (Optional) ASTM D41, ELASTOCOL 500, ELASTOCOL Stick | SBS-CA2, 6-inch o.c. | (Optional) SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -60.0                        |
| LWC-58.                           | Structural concrete             | None                                               | Concrecel Concrete, Min. 340 psi, Min. 2-inch top coat                                                                                                                                                                                                    | None                        | None                                                | SBS-CA3              | (Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -127.5                       |
| <b>ELASTIZELL:</b>                |                                 |                                                    |                                                                                                                                                                                                                                                           |                             |                                                     |                      |                                                |                                     |                              |
| LWC-59.                           | Structural Concrete             | <a href="#">Table VB-4</a>                         | Elastizell Lightweight Insulating Concrete, Min. 300 psi, Min. 2-inch top coat.                                                                                                                                                                           | None                        | (Optional) ASTM D41, ELASTOCOL 500, ELASTOCOL Stick | SBS-CA2, 6-inch o.c. | (Optional) SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -60.0                        |
| <b>PRE-EXISTENT CELLULAR LWC:</b> |                                 |                                                    |                                                                                                                                                                                                                                                           |                             |                                                     |                      |                                                |                                     |                              |
| LWC-60.                           | Structural Concrete             | <a href="#">Table VB-4</a>                         | Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat<br><i>Note: Trufast FM-90 Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per <a href="#">(4.2.2)</a></i> | None                        | None                                                | SBS-CA2, 6-inch o.c. | (Optional) SBS-CA4, SBS-AA, SBS-SA1 or SBS-TAF | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -60.0                        |
| LWC-61.                           | Structural Concrete             | None                                               | Cellular lightweight concrete, Min. 350 psi, Min. 2-inch top coat<br><i>Note: Trufast FM-90 Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per <a href="#">(4.2.2)</a></i> | None                        | None                                                | SBS-CA2, 6-inch o.c. | (Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -180.0                       |

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**TABLE 12G: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION****SYSTEM TYPE F: LWC TO DECK OR TO TEMPORARY ROOF, BONDED ROOF COVER**REFER TO [TABLE VB-4](#) FOR VAPOR BARRIER OPTIONS BETWEEN THE DECK AND THE LWC

| SYSTEM No. | DECK<br><a href="#">(4.1.2)</a> | VAPOR BARRIER<br><a href="#">(3.1.4)</a> | LIGHTWEIGHT CONCRETE <a href="#">(3.1.2)</a>                                                                                                                                                                                                           |                   | ROOF COVER <a href="#">(3.1.4)</a> |                      |                                                |                                     | MDP<br><a href="#">(PSF)</a> |
|------------|---------------------------------|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------|----------------------|------------------------------------------------|-------------------------------------|------------------------------|
|            |                                 |                                          | TYPE                                                                                                                                                                                                                                                   | SURFACE TREATMENT | PRIMER                             | BASE                 | PLY                                            | CAP                                 |                              |
| LWC-62.    | Structural Concrete (primed)    | SBS-TAF (sanded top)                     | Cellular lightweight concrete, Min. 350 psi, Min. 2-inch top coat <i>Note: Trufast FM-90 Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per <a href="#">(4.2.2)</a></i> | None              | None                               | SBS-CA2, 6-inch o.c. | (Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | SBS-CA3, SBS-CA4, SBS-AA or SBS-TAF | -180.0                       |
| LWC-63.    | Structural Concrete             | None                                     | Cellular lightweight concrete, Min. 400 psi, Min. 2-inch top coat <i>Note: Trufast FM-90 Base Sheet Fastener shall achieve an average withdrawal of 156 lbf when tested per <a href="#">(4.2.2)</a></i>                                                | None              | None                               | SBS-CA3              | (Optional) SBS-CA3, SBS-AA or SBS-TAF          | SBS-CA3, SBS-AA or SBS-TAF          | -270.0                       |
| LWC-64.    | Structural Concrete (primed)    | SBS-TAF (sanded top)                     | Cellular lightweight concrete, Min. 400 psi, Min. 2-inch top coat <i>Note: Trufast FM-90. Base Sheet Fastener shall achieve an average withdrawal of 156 lbf when tested per <a href="#">(4.2.2)</a></i>                                               | None              | None                               | SBS-CA3              | (Optional) SBS-CA3, SBS-AA or SBS-TAF          | SBS-CA3, SBS-AA or SBS-TAF          | -300.0                       |